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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
NEWS 5 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 6 MAR 03 MEDLINE and IMEDLINE reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
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available  
NEWS 15 APR 26 LITALERT now available on STN  
NEWS 16 APR 27 NLDB: New search and display fields available  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004  
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FILE 'HOME' ENTERED AT 13:03:54 ON 28 APR 2004

=> file reg

Patel

<4/28/2004>

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:04:22 ON 28 APR 2004

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STRUCTURE FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=&gt;

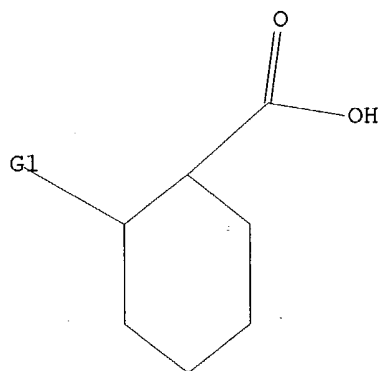
Uploading c:\program files\stnexp\queries\10715283.5

L1 STRUCTURE UPLOADED

=&gt; d l1

L1 HAS NO ANSWERS

L1 STR



G1 Cb,Cy,Hy

G2 O,CH2,NH,NH2

G3 H,OH,COOH,CN,NO2,Cb,Cy,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 13:04:47 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 111326 TO ITERATE

100.0% PROCESSED 111326 ITERATIONS  
SEARCH TIME: 00.00.02

434 ANSWERS

L2 434 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 13:04:56 ON 28 APR 2004

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FILE COVERS 1907 - 28 Apr 2004 VOL 140 ISS 18

FILE LAST UPDATED: 27 Apr 2004 (20040427/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

L3 307 L2

=> s l3 and phenyl

L4 94 L3 AND PHENYL

=> s l3 and thiophene

L5 11 L3 AND THIOPHENE

=> s l3 and diseases

L6 5 L3 AND DISEASES

=> d l6 fbib hitstr abs total

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:319888 CAPLUS

DN 138:338170

TI Preparation of piperazinecyclohexanecarboxylic acid amides as adenosine

uptake inhibitors for the treatment of cardiovascular **diseases**  
 IN Bischoff, Erwin; Krahn, Thomas; Paulsen, Holger; Schuhmacher, Joachim;  
 Steinhausen, Henning; Thielemann, Wolfgang  
 PA Bayer Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 162 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003033484	A1	20030424	WO 2002-EP10978	20021001
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

DE 2001-10150310A 20011011

DE 10150310 A1 20030424

DE 2001-10150310 20011011

OS MARPAT 138:338170

IT 515148-15-9P 515148-22-8P 515148-26-2P

515148-30-8P 515148-33-1P 515148-34-2P

515148-35-3P 515148-40-0P 515148-45-5P

515148-53-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(intermediate; preparation of piperazinecyclohexanecarboxylic acid amides as  
 adenosine uptake inhibitors for the treatment of cardiovascular  
**diseases**)

RN 515148-15-9 CAPLUS

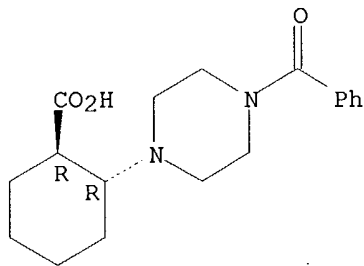
CN Cyclohexanecarboxylic acid, 2-(4-benzoyl-1-piperazinyl)-, (1R,2R)-rel-,  
 mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 515148-14-8

CMF C18 H24 N2 O3

Relative stereochemistry.



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FILE 'HOME' ENTERED AT 12:58:49 ON 28 APR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

Patel

<4/28/2004>

FULL ESTIMATED COST

ENTRY	SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:58:59 ON 28 APR 2004  
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DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

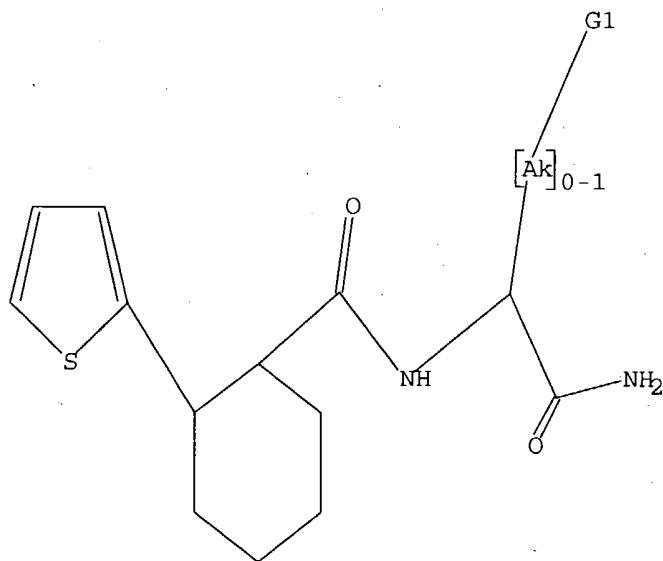
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading c:\program files\stnexp\queries\10715283.4

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



G1 Cb,Cy,Hy  
G2 O,CH2,NH,NH2  
G3 H,OH,COOH,CN,NO2,Cb,Cy,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 12:59:22 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 22 TO ITERATE

100.0% PROCESSED 22 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.03

L2 0 SEA SSS FUL L1

=> file marpat

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'MARPAT' ENTERED AT 12:59:31 ON 28 APR 2004

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FILE CONTENT: 1988-PRESENT (VOL 140 ISS 17) (20040423/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6709645 23 MAR 2004

DE 10335606 11 MAR 2004

EP 1403278 31 MAR 2004

JP 2004099560 02 APR 2004

WO 2004024934 25 MAR 2004

Structure search limits have been raised. See HELP SLIMIT for the new,  
higher limits.

=> s l1 sss full

FULL SEARCH INITIATED 12:59:37 FILE 'MARPAT'

FULL SCREEN SEARCH COMPLETED - 2534 TO ITERATE

100.0% PROCESSED 2534 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.10

L3 1 SEA SSS FUL L1

=> file caold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

109.42

265.05

FILE 'CAOLD' ENTERED AT 12:59:52 ON 28 APR 2004

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s ll sss full

**REGISTRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:59:58 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 22 TO ITERATE

100.0% PROCESSED 22 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L1

L5 0 L4

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	421.31

FILE 'CAPLUS' ENTERED AT 13:00:02 ON 28 APR 2004  
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FILE COVERS 1907 - 28 Apr 2004 VOL 140 ISS 18  
FILE LAST UPDATED: 27 Apr 2004 (20040427/ED)

This file contains CAS Registry Numbers for easy and accurate



substance identification.

=> d his

(FILE 'HOME' ENTERED AT 12:58:49 ON 28 APR 2004)

FILE 'REGISTRY' ENTERED AT 12:58:59 ON 28 APR 2004

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS FULL

FILE 'MARPAT' ENTERED AT 12:59:31 ON 28 APR 2004

L3 1 S L1 SSS FULL

FILE 'CAOLD' ENTERED AT 12:59:52 ON 28 APR 2004

S L1

FILE 'REGISTRY' ENTERED AT 12:59:57 ON 28 APR 2004

L4 0 S L1 SSS FULL

FILE 'CAOLD' ENTERED AT 12:59:58 ON 28 APR 2004

L5 0 S L4 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:00:02 ON 28 APR 2004

=> s l3

L6 1 L3

=> d l6 fbib hitstr abs total

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:185069 CAPLUS

DN 136:232117

TI Substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease

IN Bischoff, Erwin; Krahn, Thomas; Mueller, Stephan-Nicholas; Paulsen, Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 143 pp.

CODEN: PIXXD2

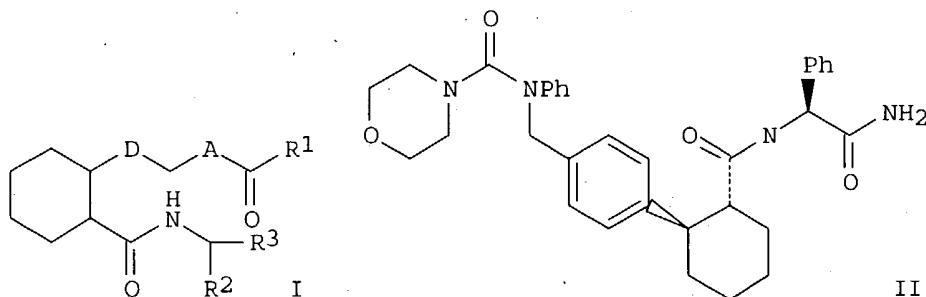
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002020472	A1	20020314	WO 2001-EP9938	20010829
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	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				DE 2000-10044792A	20000911
	DE 10044792	A1	20020404	DE 2000-10044792	20000911
	AU 2002012176	A5	20020322	AU 2002-12176	20010829

EP 1318977 A1 20030618 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 EP 2001-980296 20010829  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU; NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 BR 2001-13814 20010829  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 JP 2004508350 T2 20040318 JP 2002-525095 20010829  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 US 2003008881 A1 20030109 US 2001-943325 20010830  
 US 6649616 B2 20031118  
 DE 2000-10044792A 20000911  
 OS MARPAT 136:232117  
 GI



AB Title compds. I [D = (un)substituted C<sub>6</sub>H<sub>4</sub>, thiophene-2,5-diyl; A = O, (un)substituted NH, CH<sub>2</sub>; R<sub>1</sub> = H, alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, (un)substituted aryl, heteroaryl, NH<sub>2</sub>, OH; R<sub>2</sub> = (un)substituted alkyl, aryl, heteroaryl; R<sub>3</sub> = (un)substituted CONH<sub>2</sub>] were prepared for use as adenosine uptake inhibitors in the treatment of cardiovascular disease. Thus, tert.-Bu (1R,2R)-2-(4-bromomethylphenyl)cyclohexanecarboxylate was treated with 4-(N-phenylcarbamoyl)morpholine, followed by ester hydrolysis and amidation with L-phenylglycinamide-HCl to give the amide II. II had an IC<sub>50</sub> of 30 nM for inhibition of adenosine uptake in rabbit erythrocytes.  
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=&gt; log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.98

424.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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-0.69

-0.69

STN INTERNATIONAL LOGOFF AT 13:00:38 ON 28 APR 2004

Patel

&lt;4/28/2004&gt;



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LOGINID:sssptal611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 16 APR 27 NLDB: New search and display fields available  
  
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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004  
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Enter NEWS followed by the item number or name to see news on that  
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FILE 'HOME' ENTERED AT 12:39:36 ON 28 APR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

Patel

<4/28/2004>

FULL ESTIMATED COST

ENTRY	SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:39:57 ON 28 APR 2004  
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DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6
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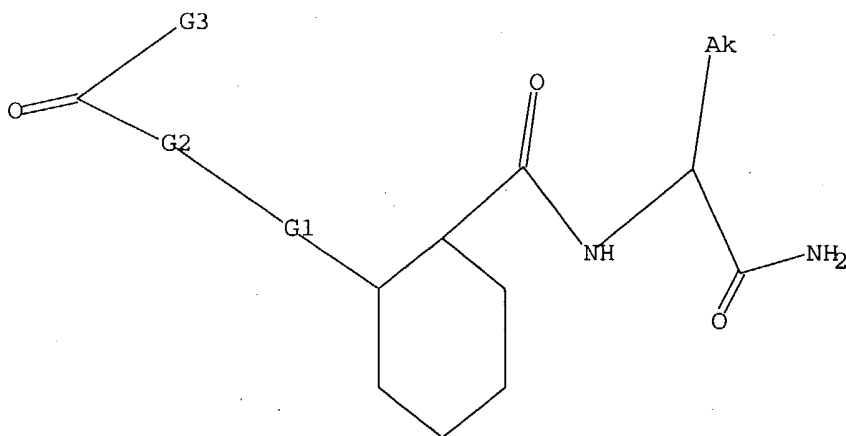
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>
Uploading c:\program files\stnexp\queries\10715283.1
```

L1        STRUCTURE UPLOADED

```
=> d l1
L1 HAS NO ANSWERS.
L1                                STR
```



G1 Cb,Cy,Hy  
G2 O,CH<sub>2</sub>,NH,NH<sub>2</sub>  
G3 H,OH,COOH,CN,NO<sub>2</sub>,Cb,Cy,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full  
FULL SEARCH INITIATED 12:40:24 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 84380 TO ITERATE

100.0% PROCESSED 84380 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.08

L2 0 SEA SSS FUL L1

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

FILE 'MARPAT' ENTERED AT 12:40:38 ON 28 APR 2004  
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DE 10335606 11 MAR 2004  
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JP 2004099560 02 APR 2004  
WO 2004024934 25 MAR 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s l1 sss full  
FULL SEARCH INITIATED 12:40:43 FILE 'MARPAT'  
FULL SCREEN SEARCH COMPLETED - 16378 TO ITERATE

54.8% PROCESSED	8983 ITERATIONS	( 1 INCOMPLETE)	1 ANSWERS
80.0% PROCESSED	13106 ITERATIONS	( 1 INCOMPLETE)	1 ANSWERS
95.5% PROCESSED	15634 ITERATIONS	( 1 INCOMPLETE)	1 ANSWERS
99.3% PROCESSED	16270 ITERATIONS	( 1 INCOMPLETE)	1 ANSWERS
100.0% PROCESSED	16378 ITERATIONS	( 1 INCOMPLETE)	1 ANSWERS

SEARCH TIME: 00.01.18

L3 1 SEA SSS FUL L1

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	110.26	265.89

FILE 'CAOLD' ENTERED AT 12:42:09 ON 28 APR 2004

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s ll sss full

**REGISTRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:42:18 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 84380 TO ITERATE

100.0% PROCESSED 84380 ITERATIONS  
SEARCH TIME: 00.00.07

0 ANSWERS

L4 0 SEA SSS FUL L1

L5 0 L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

422.15

FILE 'CAPLUS' ENTERED AT 12:42:31 ON 28 APR 2004

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FILE COVERS 1907 - 28 Apr 2004 VOL 140 ISS 18  
FILE LAST UPDATED: 27 Apr 2004 (20040427/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> d his

(FILE 'HOME' ENTERED AT 12:39:36 ON 28 APR 2004)

FILE 'REGISTRY' ENTERED AT 12:39:57 ON 28 APR 2004

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS FULL

FILE 'MARPAT' ENTERED AT 12:40:38 ON 28 APR 2004

L3 1 S L1 SSS FULL

FILE 'CAOLD' ENTERED AT 12:42:09 ON 28 APR 2004

S L1

FILE 'REGISTRY' ENTERED AT 12:42:18 ON 28 APR 2004

L4 0 S L1 SSS FULL

FILE 'CAOLD' ENTERED AT 12:42:25 ON 28 APR 2004

L5 0 S L4 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:42:31 ON 28 APR 2004

=> s l3

L6 1 L3

=> d l6 fbib hitstr abs total

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1994:245602 CAPLUS

DN **120:245602**

TI Preparation of 17-ethers and thioethers of 4-aza-steroids as steroid  
reductase inhibitors

IN Witzel, Bruce E.; Tolman, Richard L.; Rasmusson, Gary H.; Bakshi, Raman  
K.; Yang, Shu Shu

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9323040	A1	19931125	WO 1993-US4746	19930519
	W:	AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US			
	RW:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
				US 1992-886031 A219920520	
	AU 9342521	A1	19931213	AU 1993-42521	19930519



AU 668180 B2 19960426

US 1992-886031 A 19920520

WO 1993-US4746 A 19930519

EP 641204 A1 19950308

EP 1993-911358 19930519

EP 641204 B1 20000816

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE

US 1992-886031 A 19920520

WO 1993-US4746 W 19930519

JP 07508038 T2 19950907

JP 1993-503831 19930519

US 1992-886031 A 19920520

WO 1993-US4746 W 19930519

AT 195530 E 20000915

AT 1993-911358 19930519

US 1992-886031 A 19920520

WO 1993-US4746 W 19930519

ES 2148229 T3 20001016

ES 1993-911358 19930519

US 1992-886031 A 19920520

US 5536727 A 19960716

US 1994-338572 19941117

US 1992-886031 B2 19920520

WO 1993-US4746 W 19930519

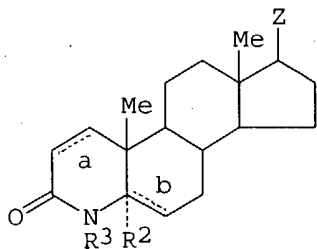
## PATENT FAMILY INFORMATION:

FAN 1996:469929

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5536727	A	19960716	US 1994-338572	19941117
			US 1992-886031 B2	19920520
			WO 1993-US4746 W	19930519
WO 9323040	A1	19931125	WO 1993-US4746	19930519
W:		AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US		
RW:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
			US 1992-886031 A2	19920520

OS MARPAT 120:245602

GI



I

AB Title compds. [I; a, b both = single bonds, and R2 = H; or a = double bond, b = single bond, and R2 = H; or a = single bond, b = double bond, and R2 = null; R1 = H, aryl, (aryl)alkyl; R3 = H, Me, Et, OH, NH2, SMe; R4 = (substituted) alkyl, aryl, heterocyclyl; Z = XR4, (CHR1)nXR4; X = O, S, SO, SO2], were prepared as inhibitors of steroid 5 $\alpha$ -reductase enzymes 1 and 2 (no data). The compds. are useful for the treatment of hyperandrogenic disease conditions and diseases of the skin and scalp. Thus, 17-hydroxymethyl-4-methyl-5 $\alpha$ -4-azaandrostan-3-one and diphenyldiazomethane in CH2Cl2 were treated dropwise with BF3.Et2O to give 17-diphenylmethoxymethyl-4-methyl-5 $\alpha$ -4-azaandrostan-3-one.

=> log y

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

9.28

431.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
ENTRY

TOTAL  
SESSION

CA SUBSCRIBER PRICE

-0.69

-0.69

STN INTERNATIONAL LOGOFF AT 12:43:03 ON 28 APR 2004

Welcome to STN International! Enter x:x

LOGINID:ssspta1611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/Caplus  
NEWS 5 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
NEWS 13 APR 26 PROMT: New display field available  
NEWS 14 APR 26 FIPAT/IFIUDB/IFICDB: New super search and display field  
available  
NEWS 15 APR 26 LITALERT now available on STN  
NEWS 16 APR 27 NLDB: New search and display fields available  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 12:44:17 ON 28 APR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

Patel

<4/28/2004>

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:44:40 ON 28 APR 2004  
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STRUCTURE FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6  
DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

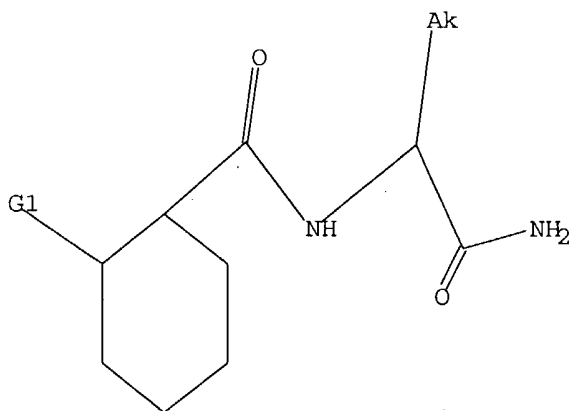
Uploading c:\program files\stnexp\queries\10715283.2

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Cb,Cy,Hy

G2 O,CH2,NH,NH2

G3 H,OH,COOH,CN,NO2,Cb,Cy,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s ll sss full

FULL SEARCH INITIATED 12:45:57 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 86549 TO ITERATE

100.0% PROCESSED 86549 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.06

L2 4 SEA SSS FUL L1

=> file marpat

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

156.26

156.47

FILE 'MARPAT' ENTERED AT 12:46:10 ON 28 APR 2004

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FILE CONTENT: 1988-PRESENT (VOL 140 ISS 17) (20040423/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES

(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6709645 23 MAR 2004

DE 10335606 11 MAR 2004

EP 1403278 31 MAR 2004

JP 2004099560 02 APR 2004

WO 2004024934 25 MAR 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s ll sss full

FULL SEARCH INITIATED 12:46:16 FILE 'MARPAT'

FULL SCREEN SEARCH COMPLETED - 16378 TO ITERATE

52.6% PROCESSED 8616 ITERATIONS ( 1 INCOMPLETE) 1 ANSWERS

79.3% PROCESSED 12981 ITERATIONS ( 1 INCOMPLETE) 3 ANSWERS

89.7% PROCESSED 14691 ITERATIONS ( 1 INCOMPLETE) 3 ANSWERS

99.1% PROCESSED 16226 ITERATIONS ( 1 INCOMPLETE) 4 ANSWERS

100.0% PROCESSED 16378 ITERATIONS ( 1 INCOMPLETE) 4 ANSWERS

SEARCH TIME: 00.01.17

L3 4 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

110.26

266.73

FILE 'CAPLUS' ENTERED AT 12:48:07 ON 28 APR 2004

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FILE COVERS 1907 - 28 Apr 2004 VOL 140 ISS 18  
FILE LAST UPDATED: 27 Apr 2004 (20040427/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 12:44:17 ON 28 APR 2004)

FILE 'REGISTRY' ENTERED AT 12:44:40 ON 28 APR 2004

L1 STRUCTURE UPLOADED  
L2 4 S L1 SSS FULL

FILE 'MARPAT' ENTERED AT 12:46:10 ON 28 APR 2004

L3 4 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 12:48:07 ON 28 APR 2004

=> s 12

L4 2 L2

=> s 13

L5 4 L3

=> d 14 fbib hitstr abs total

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:319888 CAPLUS

DN 138:338170

TI Preparation of piperazinecyclohexanecarboxylic acid amides as adenosine uptake inhibitors for the treatment of cardiovascular diseases

IN Bischoff, Erwin; Krahn, Thomas; Paulsen, Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 162 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003033484	A1	20030424	WO 2002-EP10978	20021001

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 2001-10150310A 20011011

DE 2001-10150310 20011011

DE 10150310 A1 20030424

OS MARPAT 138:338170

IT 515146-49-3P 515146-80-2P

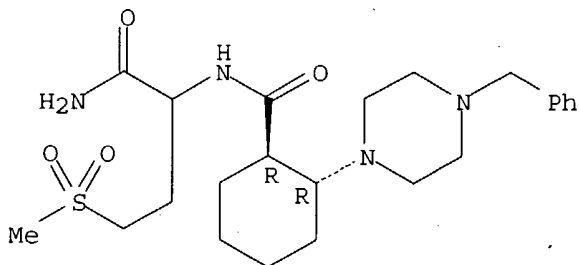
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of piperazinecyclohexanecarboxylic acid amides as adenosine uptake inhibitors for the treatment of cardiovascular diseases)

RN 515146-49-3 CAPLUS

CN Cyclohexanecarboxamide, N-[1-(aminocarbonyl)-3-(methylsulfonyl)propyl]-2-[4-(phenylmethyl)-1-piperazinyl]-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

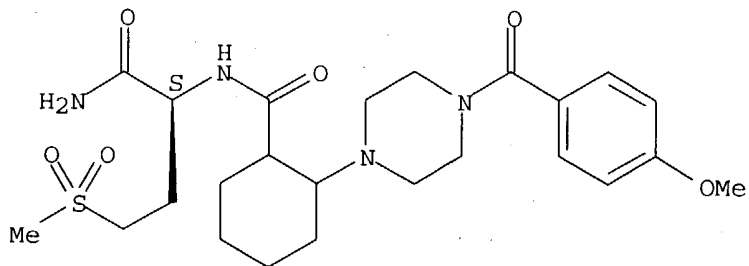
Relative stereochemistry.



RN 515146-80-2 CAPLUS

CN Cyclohexanecarboxamide, N-[(1S)-1-(aminocarbonyl)-3-(methylsulfonyl)propyl]-2-[4-(4-methoxybenzoyl)-1-piperazinyl]- (9CI) (CA INDEX NAME)

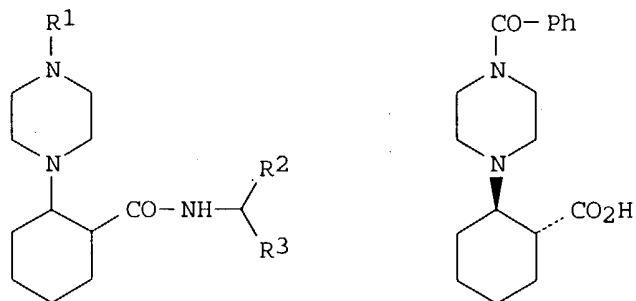
Absolute stereochemistry.



GI

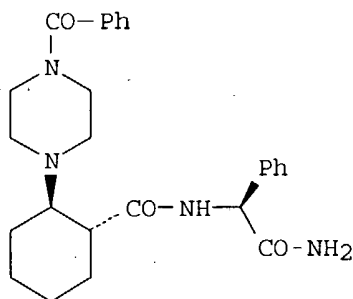
Patel

&lt;4/28/2004&gt;



I

II



III

AB Title compds. I [R1 = COR4, (CH2)aR4, SO2R4, etc.; R4 = (un)substituted alkyl; cycloalkyl, alkylaryl, etc.; R2 = (un)substituted alkyl, e.g., OH, oxo; R3 = CH2OH, CONR8R9; R8, R9 = H, alkyl; a = 0-3 ]and their pharmaceutically acceptable salts were prepared. For example, coupling of an enantiomeric mixture of trans-aminocyclohexane carboxylic acids·TFA II, e.g., prepared from 1-cyclohexene-1-carboxylic acid in 4-steps, and (αS)-aminobenzeneacetamide·HCL, followed by HPLC separation of the diastereomeric mixture, afforded claimed piperazine III in 35% yield. In rabbit erythrocyte adenosine uptake inhibition assays, 10-examples of compds. I exhibited IC50 values ranging from 15-80 nM, e.g., the IC50 value of piperazine III was 30 nM. Compds. I are claimed useful for the prophylaxis and/or the treatment of cardiovascular diseases.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:185069 CAPLUS

DN 136:232117

TI Substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease

IN Bischoff, Erwin; Krahn, Thomas; Mueller, Stephan-Nicholas; Paulsen, Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 143 pp.

CODEN: PIXXD2

DT Patent

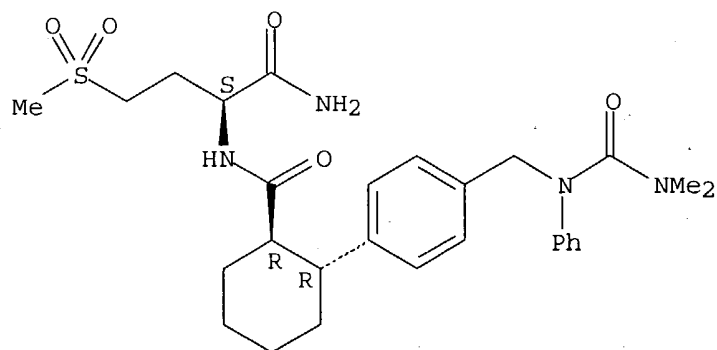
LA German

FAN.CNT 1



	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002020472	A1	20020314	WO 2001-EP9938	20010829
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	DE 10044792	A1	20020404	DE 2000-10044792A	20000911
	AU 2002012176	A5	20020322	DE 2000-10044792	20000911
				AU 2002-12176	20010829
				DE 2000-10044792A	20000911
	EP 1318977	A1	20030618	WO 2001-EP9938 W	20010829
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		EP 2001-980296	20010829
				DE 2000-10044792A	20000911
				WO 2001-EP9938 W	20010829
	BR 2001013814	A	20030708	BR 2001-13814	20010829
				DE 2000-10044792A	20000911
				WO 2001-EP9938 W	20010829
	JP 2004508350	T2	20040318	JP 2002-525095	20010829
				DE 2000-10044792A	20000911
				WO 2001-EP9938 W	20010829
	US 2003008881	A1	20030109	US 2001-943325	20010830
	US 6649616	B2	20031118		
				DE 2000-10044792A	20000911
OS	MARPAT 136:232117				
IT	<b>403600-22-6P 403601-19-4P</b>				
	RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease)				
RN	403600-22-6 CAPLUS				
CN	Cyclohexanecarboxamide, N-[(1S)-1-(aminocarbonyl)-3-(methylsulfonyl)propyl]-2-[4-[[[(dimethylamino)carbonyl]phenylamino]methyl]phenyl]-, (1R,2R)- (9CI) (CA INDEX NAME)				

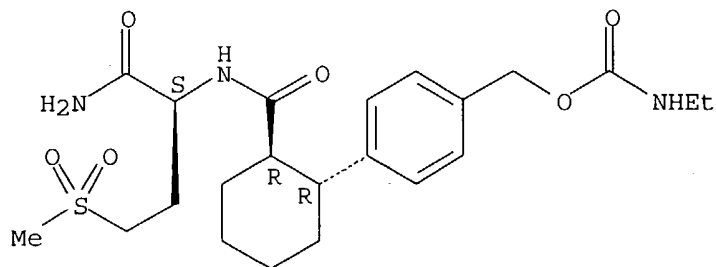
Absolute stereochemistry.



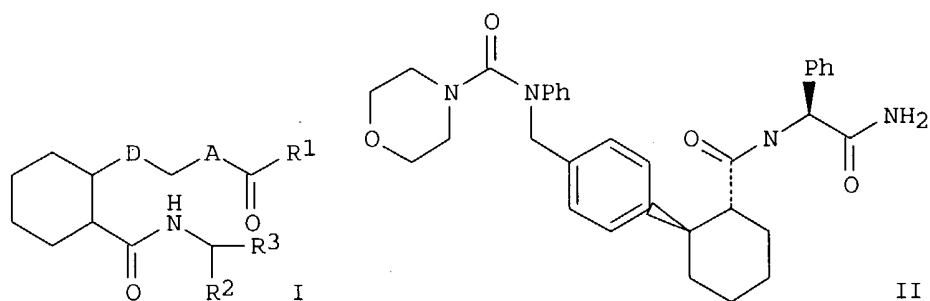
RN 403601-19-4 CAPLUS

CN Carbamic acid, ethyl-, [4-[(1R,2R)-2-[[[(1S)-1-(aminocarbonyl)-3-(methylsulfonyl)propyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



GI



AB Title compds. I [D = (un)substituted C<sub>6</sub>H<sub>4</sub>, thiophene-2,5-diyl; A = O, (un)substituted NH, CH<sub>2</sub>; R<sub>1</sub> = H, alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, (un)substituted aryl, heteroaryl, NH<sub>2</sub>, OH; R<sub>2</sub> = (un)substituted alkyl, aryl, heteroaryl; R<sub>3</sub> = (un)substituted CONH<sub>2</sub>] were prepared for use as adenosine uptake inhibitors in the treatment of cardiovascular disease. Thus, tert.-Bu (1R,2R)-2-(4-bromomethylphenyl)cyclohexanecarboxylate was treated with 4-(N-phenylcarbamoyl)morpholine, followed by ester hydrolysis and amidation with L-phenylglycinamide-HCl to give the amide II. II had an IC<sub>50</sub> of 30 nM for inhibition of adenosine uptake in rabbit erythrocytes.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=&gt;

=&gt; d 15 fbib hitstr abs total

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:511283 CAPLUS

Patel

&lt;4/28/2004&gt;

DN 139:85038

TI Preparation of TNF- $\alpha$  inhibiting hydroxyamic or carboxylic acid functionalized cycloalkanes for the treatment of inflammatory disorders

IN Zhu, Zhaoning; Mazzola, Robert, Jr.; Guo, Zhuyan; Lavey, Brian J.; Sinning, Lisa; Kozlowski, Joseph; McKittrick, Brian; Shih, Neng-Yang

PA Schering Corporation, USA

SO PCT Int. Appl., 179 pp.

CODEN: PIXXD2

DT Patent

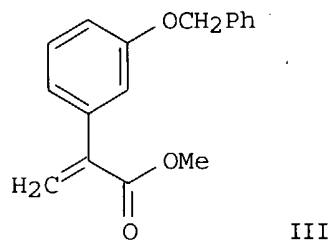
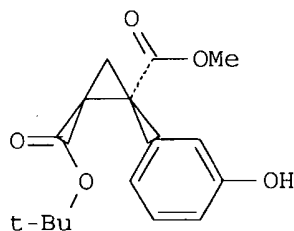
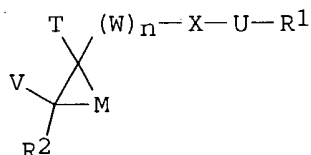
LA English

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003053915	A2	20030703	WO 2002-US40453	20021219
	WO 2003053915	A3	20030918		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004038941	A1	20040226	US 2001-342332PP	20011220
				US 2002-323511	20021219
				US 2001-342332PP	20011220

OS MARPAT 139:85038

GI



AB This invention relates to compds. of formula I [M = -(C(R30)(R40))m-, wherein m = 1-6; T = substituted alkyl, (un)substituted-cycloalkyl, -heterocycloalkyl, -aryl, etc.; V = (un)substituted alkyl, cycloalkyl, heteroaryl, etc.; R1 = (un)substituted alkyl, alkyne, alkene, cycloalkyl,

aryl, etc.; R2 = H, halo, (un)substituted alkyl, cycloalkyl, etc.; U = bond, alkyl, heteroalkyl, heteroatoms; X = (un)substituted alkylene, cycloalkylene, arylene, etc.; W = carboxy, substituted iminomethylene, SO2, SO, etc., wherein n = 0-2; R30 and R40 independently = H or halo, CN, NO2, (un)substituted alkyl, etc.; or R30 and R40 may be taken together with the atom to which they are attached to form C=O, with provisions] or a pharmaceutically acceptable salt, solvate or isomer thereof, which can be useful for the treatment of diseases or conditions mediated by MMPs, TNF-alpha or combinations thereof. Thus, II was prepared from Me methoxyphenylethanoate with the cyclopropane ring diastereoselectively formed by cyclization of intermediate III with S-carbo-tert-butoxymethyltetrahydrothiophene bromide with subsequent hydrogenation and resolution of enantiomers. Numerous compds. of the invention possessed Ki values of less than 20 nM in a TNF- $\alpha$  convertases (TACE) inhibitory activity assay. As TNF- $\alpha$  inhibitors, I will be useful in treatment of inflammatory disorders.

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:319888 CAPLUS

DN **138:338170**

TI Preparation of piperazinecyclohexanecarboxylic acid amides as adenosine uptake inhibitors for the treatment of cardiovascular diseases

IN Bischoff, Erwin; Krahn, Thomas; Paulsen, Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 162 pp.

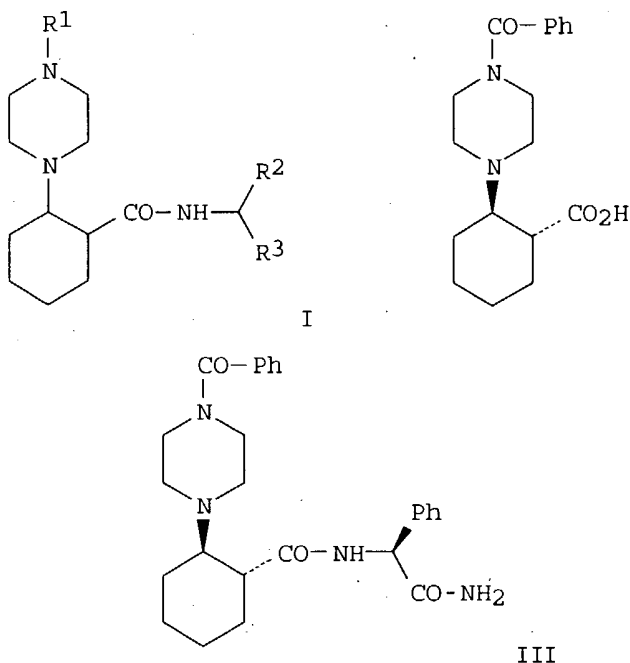
CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

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PI	WO 2003033484	A1	20030424	WO 2002-EP10978	20021001
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10150310	A1	20030424	DE 2001-10150310A	20011011
OS	MARPAT 138:338170			DE 2001-10150310	20011011
GI					



AB Title compds. I [R1 = COR4, (CH2)aR4, SO2R4, etc.; R4 = (un)substituted alkyl, cycloalkyl, alkylaryl, etc.; R2 = (un)substituted alkyl, e.g., OH, oxo; R3 = CH2OH, CONR8R9; R8, R9 = H, alkyl; a = 0-3 ]and their pharmaceutically acceptable salts were prepared For example, coupling of an enantiomeric mixture of trans-aminocyclohexane carboxylic acids·TFA II, e.g., prepared from 1-cyclohexene-1-carboxylic acid in 4-steps, and (αS)-aminobenzeneacetamide·HCL, followed by HPLC separation of the diastereomeric mixture, afforded claimed piperazine III in 35% yield. In rabbit erythrocyte adenosine uptake inhibition assays, 10-examples of compds. I exhibited IC50 values ranging from 15-80 nM, e.g., the IC50 value of piperazine III was 30 nM. Compds. I are claimed useful for the prophylaxis and/or the treatment of cardiovascular diseases.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:185069 CAPLUS

DN 136:232117

TI Substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease

IN Bischoff, Erwin; Krahn, Thomas; Mueller, Stephan-Nicholas; Paulsen,  
Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 143 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

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1000003	A	1990-01-01	1000003	1990-01-01
1000004	A	1990-01-01	1000004	1990-01-01
1000005	A	1990-01-01	1000005	1990-01-01
1000006	A	1990-01-01	1000006	1990-01-01
1000007	A	1990-01-01	1000007	1990-01-01
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PI WO 2002020472 A1 20020314 WO 2001-EP9938 20010829

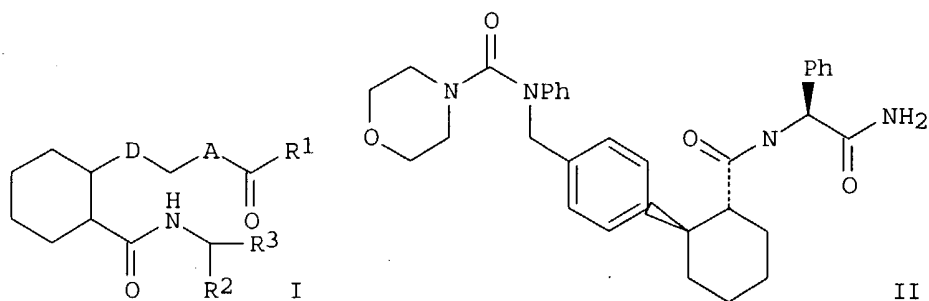
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DE 10044792 A1 20020404 DE 2000-10044792A 20000911  
 AU 2002012176 A5 20020322 AU 2002-12176 20010829  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 EP 1318977 A1 20030618 EP 2001-980296 20010829  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
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 BR 2001013814 A 20030708 BR 2001-13814 20010829  
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 JP 2004508350 T2 20040318 JP 2002-525095 20010829  
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 WO 2001-EP9938 W 20010829  
 US 2003008881 A1 20030109 US 2001-943325 20010830  
 US 6649616 B2 20031118  
 DE 2000-10044792A 20000911

OS MARPAT 136:232117  
 GI



AB Title compds. I [D = (un)substituted C<sub>6</sub>H<sub>4</sub>, thiophene-2,5-diyl; A = O, (un)substituted NH, CH<sub>2</sub>; R<sub>1</sub> = H, alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, (un)substituted aryl, heteroaryl, NH<sub>2</sub>, OH; R<sub>2</sub> = (un)substituted alkyl, aryl, heteroaryl; R<sub>3</sub> = (un)substituted CONH<sub>2</sub>] were prepared for use as adenosine uptake inhibitors in the treatment of cardiovascular disease. Thus, tert.-Bu (1R,2R)-2-(4-bromomethylphenyl)cyclohexanecarboxylate was treated with 4-(N-phenylcarbamoyl)morpholine, followed by ester hydrolysis and amidation with L-phenylglycinamide-HCl to give the amide II. II had an IC<sub>50</sub> of 30 nM for inhibition of adenosine uptake in rabbit erythrocytes.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

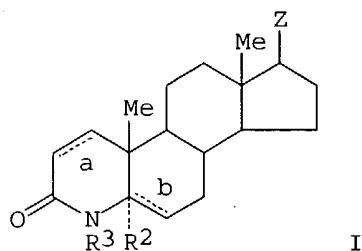
L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1994:245602 CAPLUS  
 DN **120:245602**  
 TI Preparation of 17-ethers and thioethers of 4-aza-steroids as steroid reductase inhibitors  
 IN Witzel, Bruce E.; Tolman, Richard L.; Rasmusson, Gary H.; Bakshi, Raman K.; Yang, Shu Shu  
 PA Merck and Co., Inc., USA  
 SO PCT Int. Appl., 68 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9323040	A1	19931125	WO 1993-US4746	19930519
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	AU 9342521	A1	19931213	US 1992-886031 A219920520	
	AU 668180	B2	19960426	AU 1993-42521	19930519
				US 1992-886031 A	19920520
				WO 1993-US4746 A	19930519
	EP 641204	A1	19950308	EP 1993-911358	19930519
	EP 641204	B1	20000816		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
				US 1992-886031 A	19920520
				WO 1993-US4746 W	19930519
	JP 07508038	T2	19950907	JP 1993-503831	19930519
				US 1992-886031 A	19920520
				WO 1993-US4746 W	19930519
	AT 195530	E	20000915	AT 1993-911358	19930519
				US 1992-886031 A	19920520
				WO 1993-US4746 W	19930519
	ES 2148229	T3	20001016	ES 1993-911358	19930519
				US 1992-886031 A	19920520
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				US 1992-886031 B219920520	
				WO 1993-US4746 W	19930519

## PATENT FAMILY INFORMATION:

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PI	US 5536727	A	19960716	US 1994-338572	19941117
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				WO 1993-US4746 W	19930519
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	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				US 1992-886031 A219920520	

OS MARPAT 120:245602  
 GI



AB Title compds. [I; a, b both = single bonds, and R2 = H; or a = double bond, b = single bond, and R2 = H; or a = single bond, b = double bond, and R2 = null; R1 = H, aryl, (aryl)alkyl; R3 = H, Me, Et, OH, NH2, SMe; R4 = (substituted) alkyl, aryl, heterocyclyl; Z = XR4, (CHR1)nXR4; X = O, S, SO, SO2], were prepared as inhibitors of steroid 5 $\alpha$ -reductase enzymes 1 and 2 (no data). The compds. are useful for the treatment of hyperandrogenic disease conditions and diseases of the skin and scalp. Thus, 17-hydroxymethyl-4-methyl-5 $\alpha$ -4-azaandrostan-3-one and diphenyldiazomethane in CH2Cl2 were treated dropwise with BF3.Et2O to give 17-diphenylmethoxymethyl-4-methyl-5 $\alpha$ -4-azaandrostan-3-one.

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NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
NEWS 13 APR 26 PROMT: New display field available  
NEWS 14 APR 26 FIPAT/IFIUDB/IFICDB: New super search and display field  
available  
NEWS 15 APR 26 LITAlert now available on STN  
NEWS 16 APR 27 NLDB: New search and display fields available  
  
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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004  
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DICTIONARY FILE UPDATES: 26 APR 2004 HIGHEST RN 676992-14-6

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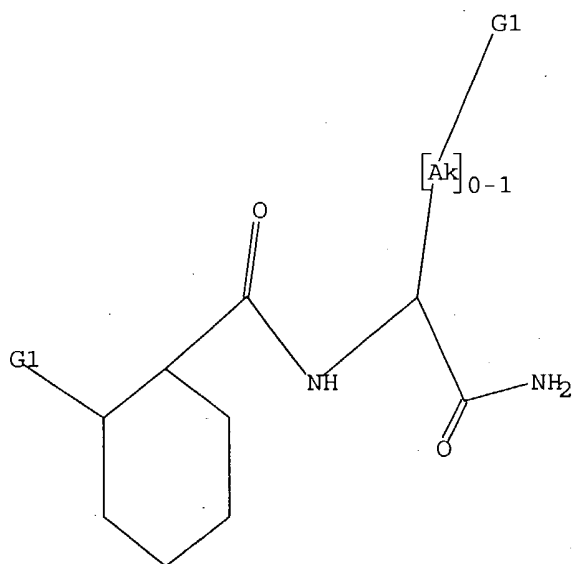
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Cb,Cy,Hy

G2 O,CH2,NH,NH2

G3 H,OH,COOH,CN,NO2,Cb,Cy,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

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68.3% PROCESSED 1000 ITERATIONS 9 ANSWERS  
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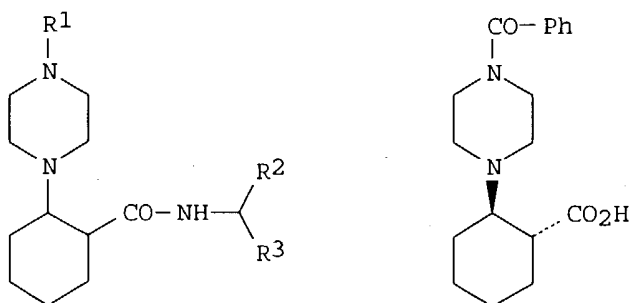
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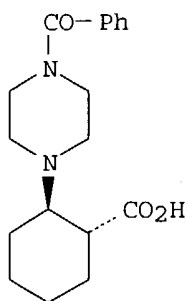
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L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:319888 CAPLUS  
 DN 138:338170  
 TI Preparation of piperazinecyclohexanecarboxylic acid amides as adenosine uptake inhibitors for the treatment of cardiovascular diseases  
 IN Bischoff, Erwin; Krahn, Thomas; Paulsen, Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang  
 PA Bayer Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 162 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

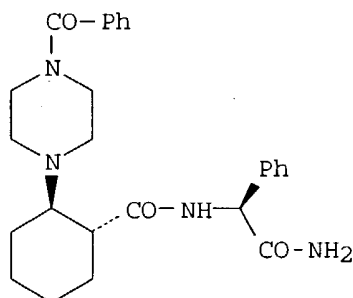
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003033484	A1	20030424	WO 2002-EP10978	20021001
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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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OS	MARPAT 138:338170			DE 2001-10150310	20011011
IT	515146-35-7P	515146-36-8P	515146-37-9P		
	515146-38-0P	515146-39-1P	515146-40-4P		
	515146-41-5P	515146-43-7P	515146-45-9P		
	515146-47-1P	515146-51-7P	515146-53-9P		
	515146-54-0P	515146-55-1P	515146-56-2P		
	515146-58-4P	515146-60-8P	515146-62-0P		
	515146-64-2P	515146-65-3P	515146-66-4P		
	515146-67-5P	515146-68-6P	515146-69-7P		
	515146-70-0P	515146-71-1P	515146-72-2P		
	515146-73-3P	515146-74-4P	515146-76-6P		
	515146-77-7P	515146-78-8P	515146-79-9P		
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	515147-19-0P	515147-20-3P	515147-21-4P		
	515147-22-5P	515147-23-6P	515147-24-7P		



I



II



III

AB Title compds. I [R1 = COR4, (CH2)aR4, SO2R4, etc.; R4 = (un)substituted alkyl, cycloalkyl, alkylaryl, etc.; R2 = (un)substituted alkyl, e.g., OH, oxo; R3 = CH2OH, CONR8R9; R8, R9 = H, alkyl; a = 0-3 ]and their pharmaceutically acceptable salts were prepared For example, coupling of an enantiomeric mixture of trans-aminocyclohexane carboxylic acids·TFA II, e.g., prepared from 1-cyclohexene-1-carboxylic acid in 4-steps, and (αS)-aminobenzeneacetamide·HCL, followed by HPLC separation of the diastereomeric mixture, afforded claimed piperazine III in 35% yield. In rabbit erythrocyte adenosine uptake inhibition assays, 10-examples of compds. I exhibited IC50 values ranging from 15-80 nM, e.g., the IC50 value of piperazine III was 30 nM. Compds. I are claimed useful for the prophylaxis and/or the treatment of cardiovascular diseases.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:408632 CAPLUS

DN 137:5933

TI Preparation of substituted 2-phenyl-1-cyclohexanecarboxamides and related compounds their use in the treatment of cardiovascular, urogenital tract or cerebrovascular diseases.

IN Roehrig, Susanne; Stolle, Andreas; Castro-Palomino, Julio; Hanning, Helmut; Handke, Gabriele; Daviu-Folguera, Noemi; Paulsen, Holger; Pernestorfer, Josef; Mueller, Stephan-Nicholas; Steinhagen, Henning; Thielemann, Wolfgang; Bischoff, Erwin; Ebbinghaus-Kintscher, Ulrich; Ellinghaus, Peter; Huetter, Joachim; Krahn, Thomas; Wunder, Frank; Lustig, Klemens; Schuhmacher, Joachim; Suessmeier, Frank

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 227 pp.

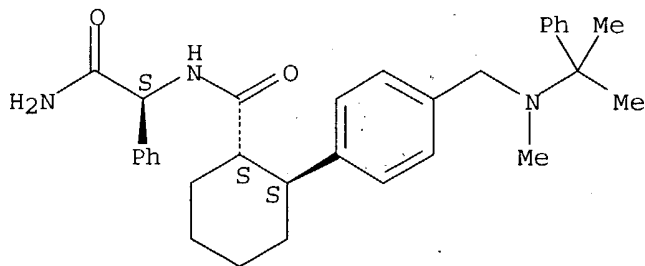
CODEN: PIXXD2

DT Patent

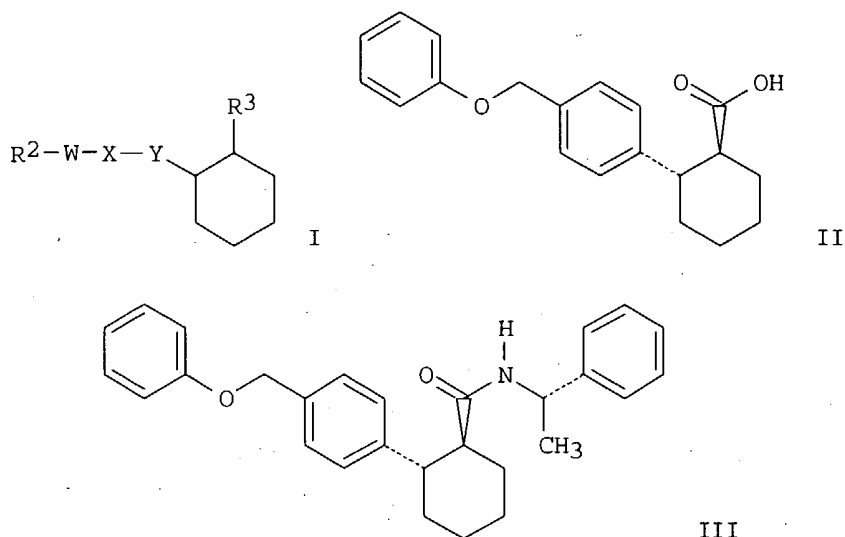
LA German

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002042257	A1	20020530	WO 2001-EP13062	20011112
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	AU 2002024839	A5	20020603	DE 2000-10058461	20001124
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	EP 1339670	A1	20030903	WO 2001-EP13062W	20011112
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			EP 2001-994647	20011112
				DE 2000-10058461A	20001124
				WO 2001-EP13062W	20011112
	BR 2001015611	A	20040106	BR 2001-15611	20011112
				DE 2000-10058461A	20001124
				WO 2001-EP13062W	20011112
OS	MARPAT 137:5933				
IT	<b>432045-30-2P</b>				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(drug candidate; preparation of 2-phenyl-1-cyclohexanecarboxamide derivative for treatment of cardiovascular, urogenital tract or cerebrovascular diseases)				
RN	432045-30-2	CAPLUS			
CN	Benzenecetamide, $\alpha$ -[[[(1S,2S)-2-[4-[[methyl(1-methyl-1-phenylethyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)-(9CI), (CA INDEX NAME)				

Absolute stereochemistry.



GI



AB This invention discloses the preparation of title compds. I and their pharmaceutically acceptable salts for the treatment of cardiovascular, urogenital tract or cerebrovascular diseases [wherein: W = O, N(R1); R1 = H, benzyl, alkenyl, alkyl or (benzo)cycloalkyl optionally substituted by OH, amino, alkoxy, Ph, 5- or 6-membered N/O/S-heterocyclyl ( $\leq 3$  heteroatoms); X = CO, CH<sub>2</sub> or chemical bond; Y = 5- or 6-membered N/O/S-heteroaryl ( $\leq 3$  heteroatoms) optionally substituted by halogen, OH, CN, carboxy, NO<sub>2</sub>, CF<sub>3</sub>, CF<sub>3</sub>O, etc.; R2 = H, alkyl or cycloalkyl optionally substituted by OH, alkoxy, alkylamino, Ph, biphenyl, naphthyl, etc.; R1 and R2 may form ring; R3 = certain substituted substituted CONH<sub>2</sub> or NH<sub>2</sub>]. Approx. 310 specific examples of I were prepared and/or claimed. For example, EDCI-mediated coupling of acid II with (2S)-phenylethylamine provided claimed compound III in 89% yield. Rat Langendorff-heart studies of 9 claimed compds. disclosed compound III reduced perfusion pressure at 0.001  $\mu$ M.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:185069 CAPLUS

DN 136:232117

TI Substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease

IN Bischoff, Erwin; Krahn, Thomas; Mueller, Stephan-Nicholas; Paulsen, Holger; Schuhmacher, Joachim; Steinhagen, Henning; Thielemann, Wolfgang

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 143 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002020472	A1	20020314	WO 2001-EP9938	20010829
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,  
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
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 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10044792 A1 20020404 DE 2000-10044792A 20000911  
 AU 2002012176 A5 20020322 AU 2002-12176 20010829  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 EP 1318977 A1 20030618 EP 2001-980296 20010829  
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 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 BR 2001013814 A 20030708 BR 2001-13814 20010829  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 JP 2004508350 T2 20040318 JP 2002-525095 20010829  
 DE 2000-10044792A 20000911  
 WO 2001-EP9938 W 20010829  
 US 2003008881 A1 20030109 US 2001-943325 20010830  
 US 6649616 B2 20031118  
 DE 2000-10044792A 20000911

OS MARPAT 136:232117

IT 403600-13-5P 403600-21-5P 403600-36-2P

403600-57-7P 403600-63-5P 403600-69-1P

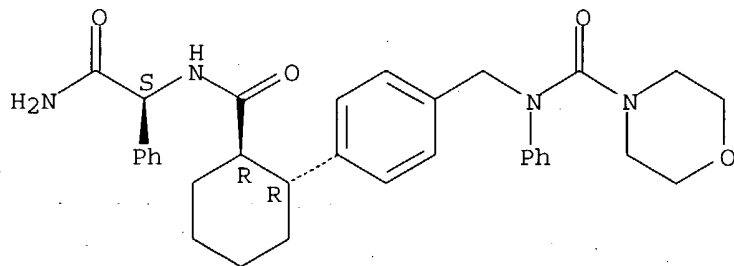
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of substituted phenylcyclohexanecarboxylic acid amides and  
 their use in treating cardiovascular disease)

RN 403600-13-5 CAPLUS

CN 4-Morpholinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-  
 phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-phenyl- (9CI) (CA  
 INDEX NAME)

Absolute stereochemistry.

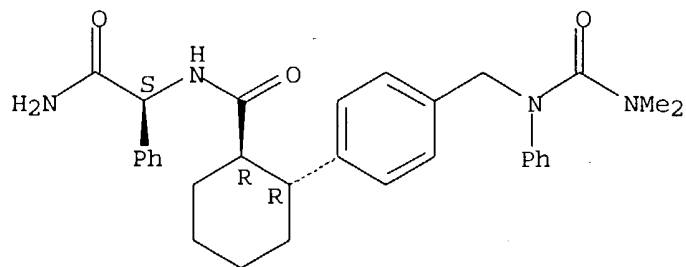


RN 403600-21-5 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl]phenyl  
 lamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)- (9CI) (CA  
 INDEX NAME)



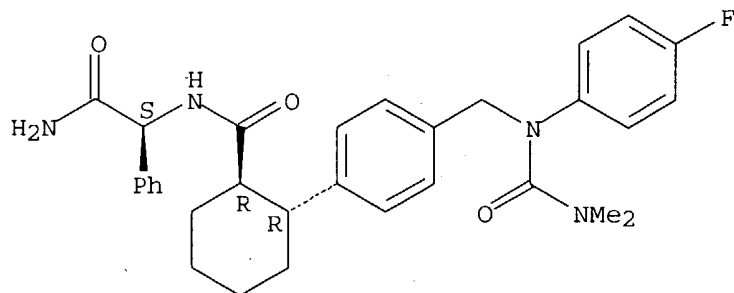
Absolute stereochemistry.



RN 403600-36-2 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)-(9CI) (CA INDEX NAME)

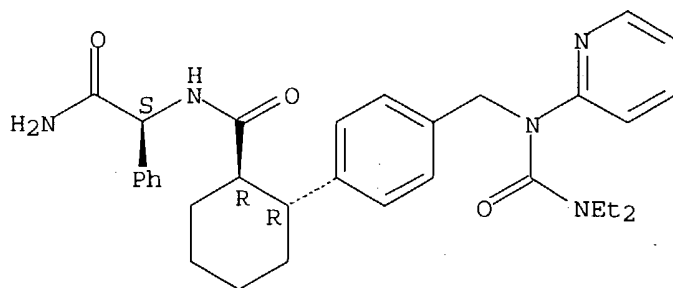
Absolute stereochemistry.



RN 403600-57-7 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl]-2-pyridinylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)-(9CI) (CA INDEX NAME)

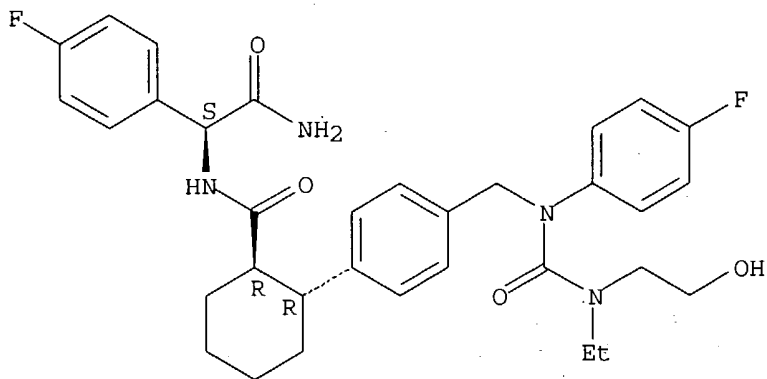
Absolute stereochemistry.



RN 403600-63-5 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(ethyl(2-hydroxyethyl)amino]carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, (αS)-(9CI) (CA INDEX NAME)

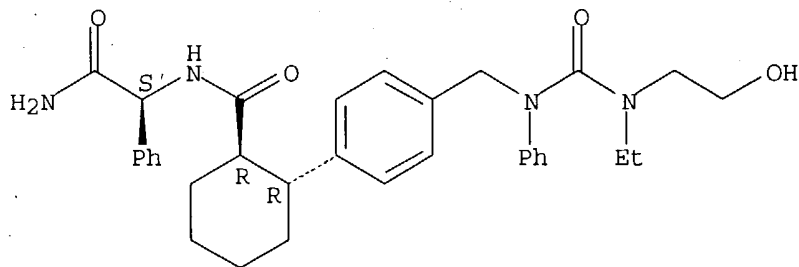
Absolute stereochemistry.



RN 403600-69-1 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[ethyl(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 403600-88-4P 403600-89-5P 403601-27-4P

403601-34-3P 403601-35-4P

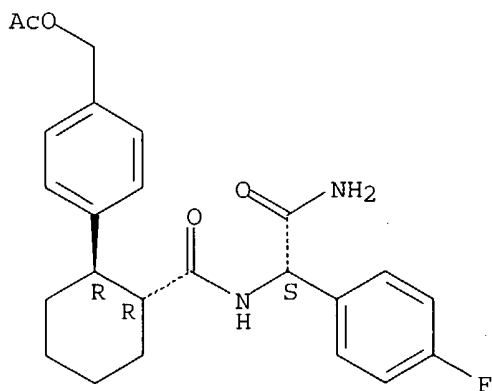
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease)

RN 403600-88-4 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[(acetyloxy)methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

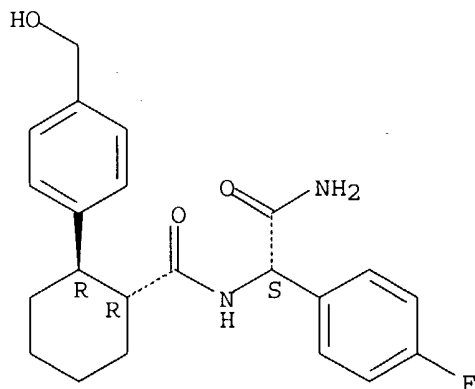
Absolute stereochemistry.



RN 403600-89-5 CAPLUS

CN Benzeneacetamide, 4-fluoro- $\alpha$ -[[[(1R,2R)-2-[4-(hydroxymethyl)phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

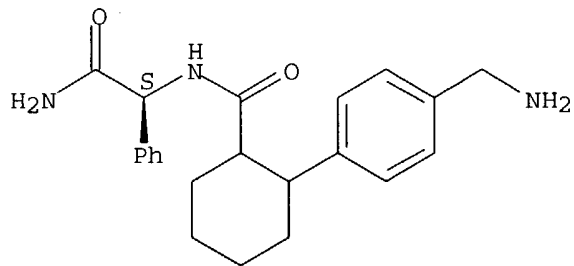
Absolute stereochemistry.



RN 403601-27-4 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-(aminomethyl)phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

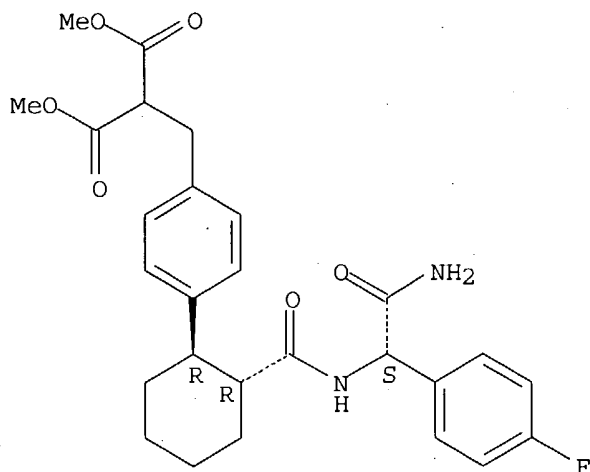
Absolute stereochemistry.



RN 403601-34-3 CAPLUS

CN Propanedioic acid, [[4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-, dimethyl ester (9CI)  
(CA INDEX NAME)

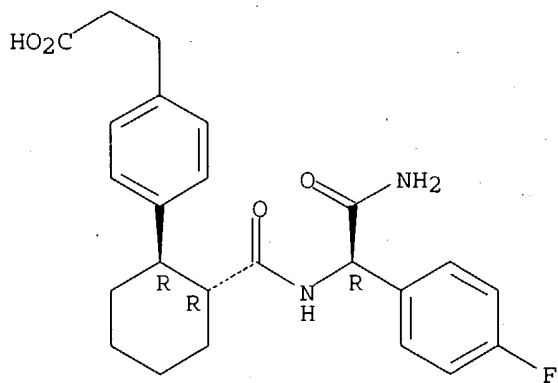
Absolute stereochemistry.



RN 403601-35-4 CAPLUS

CN Benzenepropanoic acid, 4-[(1R,2R)-2-[[[(1R)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 403600-18-0P 403600-20-4P 403600-24-8P  
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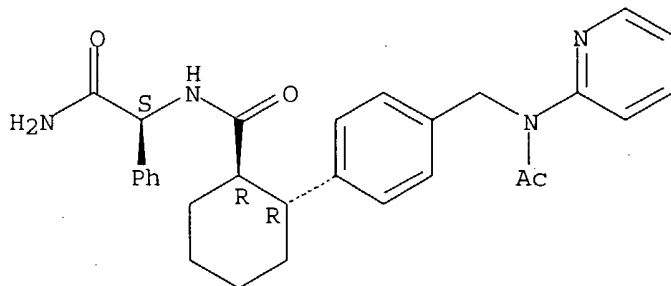
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted phenylcyclohexanecarboxylic acid amides and their use in treating cardiovascular disease)

RN 403600-18-0 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[(acetyl-2-pyridinylamino)methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)-(9CI) (CA INDEX NAME)

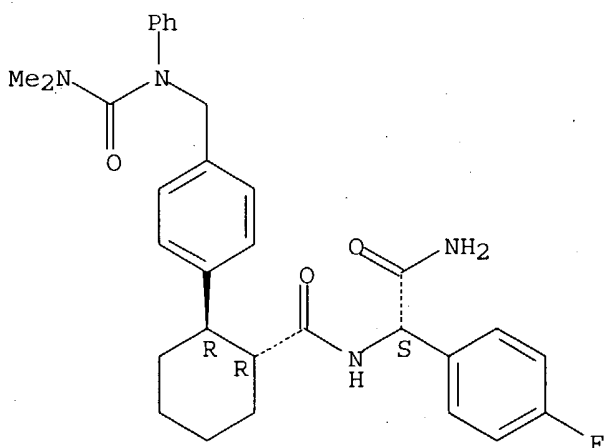
Absolute stereochemistry.



RN 403600-20-4 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl]phenyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)-(9CI) (CA INDEX NAME)

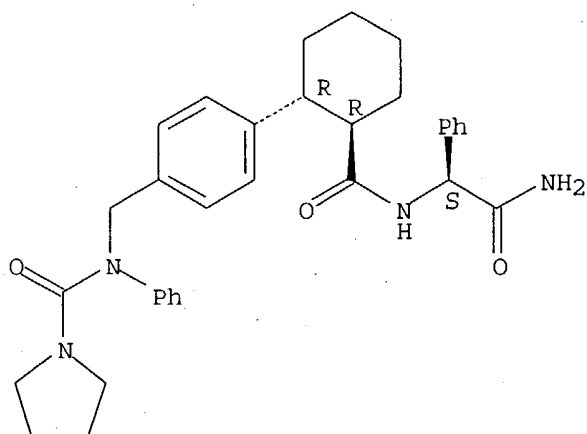
Absolute stereochemistry.



RN 403600-24-8 CAPLUS

CN 1-Pyrrolidinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-phenyl- (9CI) (CA INDEX NAME)

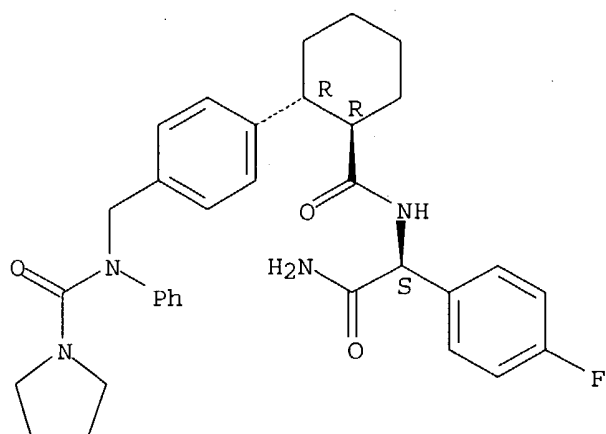
Absolute stereochemistry.



RN 403600-25-9 CAPLUS

CN 1-Pyrrolidinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-phenyl- (9CI) (CA INDEX NAME)

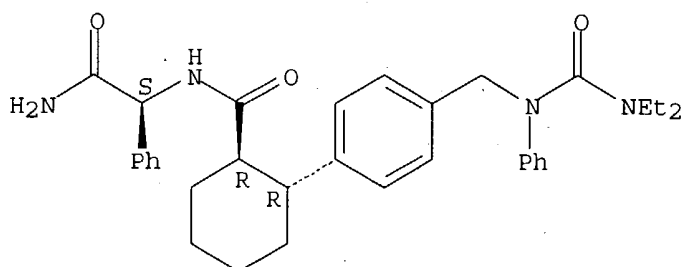
Absolute stereochemistry.



RN 403600-27-1 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

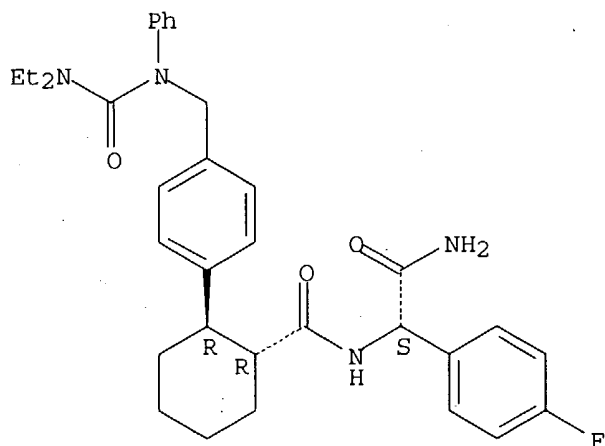
Absolute stereochemistry.



RN 403600-28-2 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl]phenylamino)methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)-(9CI) (CA INDEX NAME)

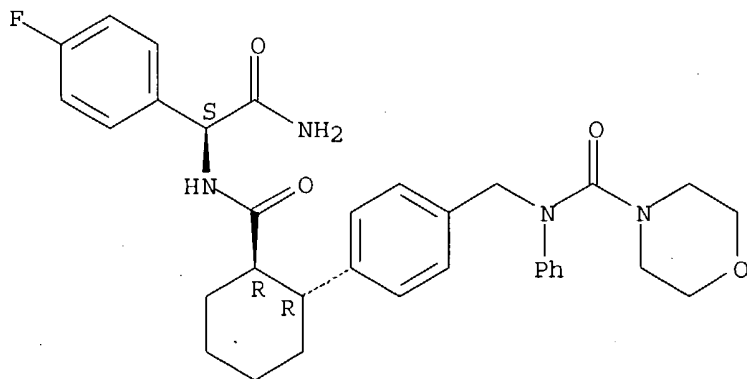
Absolute stereochemistry.



RN 403600-30-6 CAPLUS

CN 4-Morpholinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-phenyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

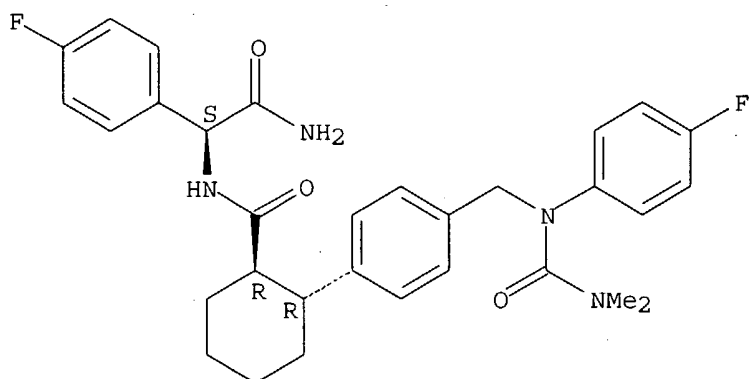


RN 403600-32-8 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

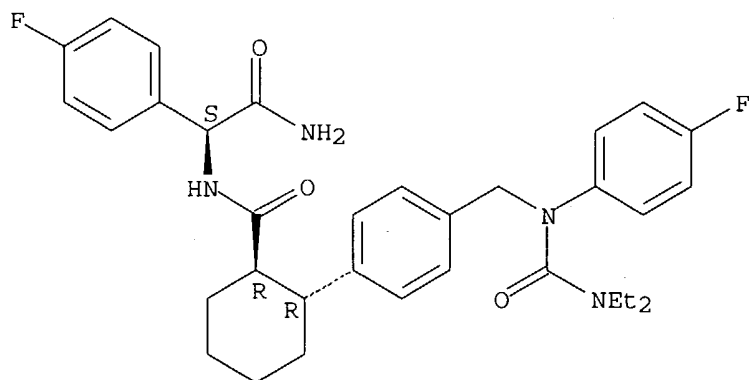




RN 403600-33-9 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, (αS)-(9CI) (CA INDEX NAME)

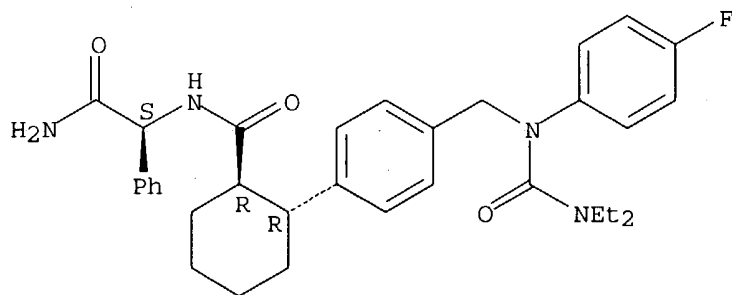
Absolute stereochemistry.



RN 403600-34-0 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

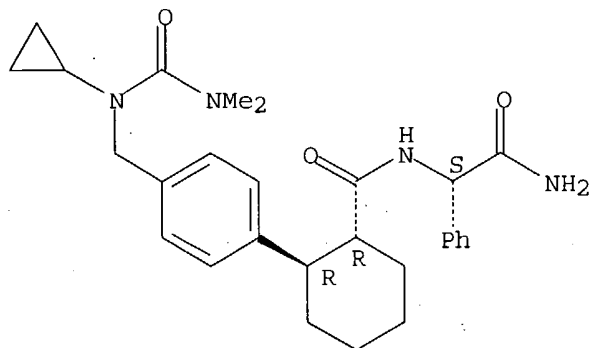


RN 403600-37-3 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[cyclopropyl[(dimethylamino)car

bonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI)  
(CA INDEX NAME)

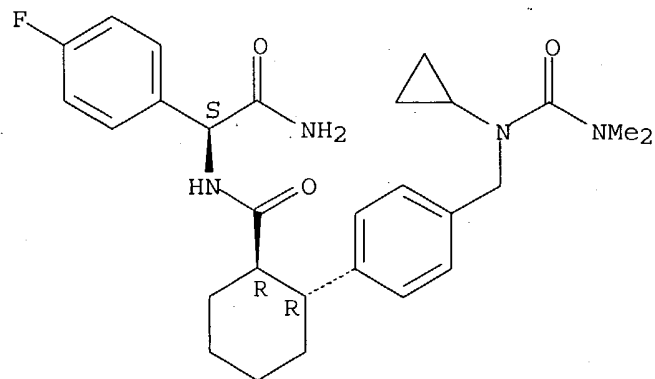
Absolute stereochemistry.



RN 403600-38-4 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[cyclopropyl[(dimethylamino)carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

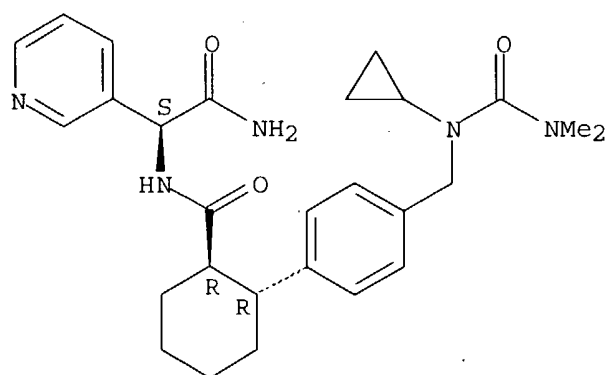
Absolute stereochemistry.



RN 403600-39-5 CAPLUS

CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[cyclopropyl[(dimethylamino)carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

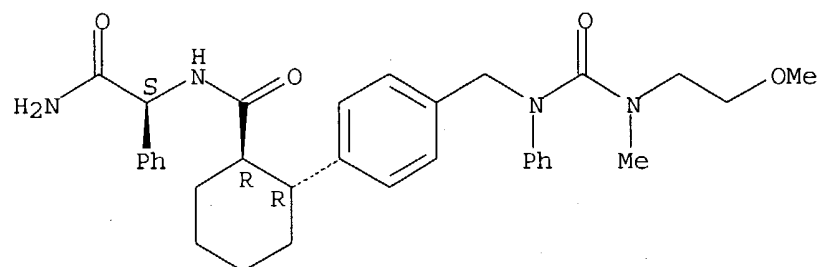
Absolute stereochemistry.



RN 403600-40-8 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(2-methoxyethyl)methylamino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonylamino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

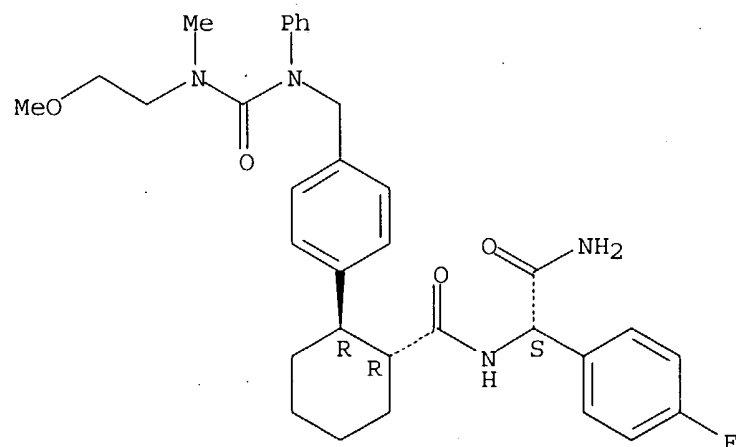
Absolute stereochemistry.



RN 403600-41-9 CAPLUS

CN Benzeneacetamide, 4-fluoro- $\alpha$ -[[[(1R,2R)-2-[4-[[[(2-methoxyethyl)methylamino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonylamino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

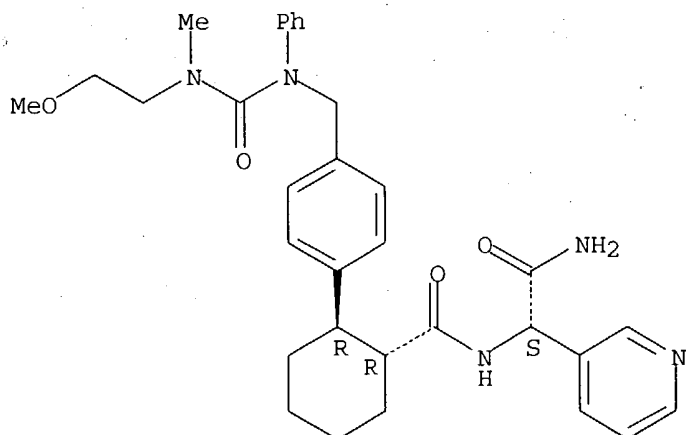
Absolute stereochemistry.



RN 403600-43-1 CAPLUS

CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(2-methoxyethyl)methylamino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

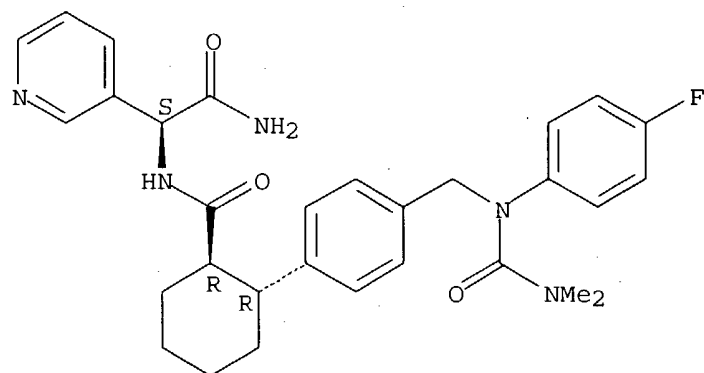
Absolute stereochemistry.



RN 403600-44-2 CAPLUS

CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl] (4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

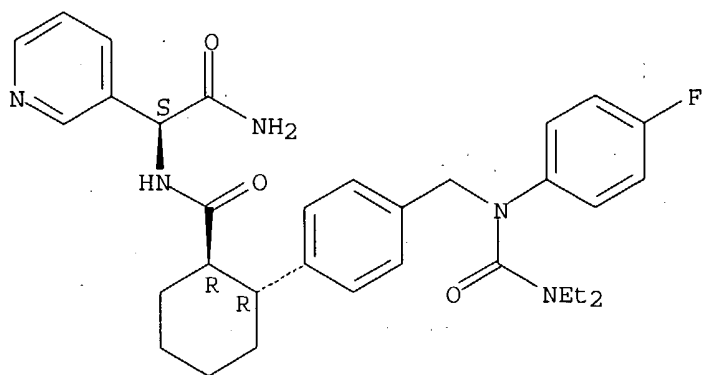
Absolute stereochemistry.



RN 403600-45-3 CAPLUS

CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl] (4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

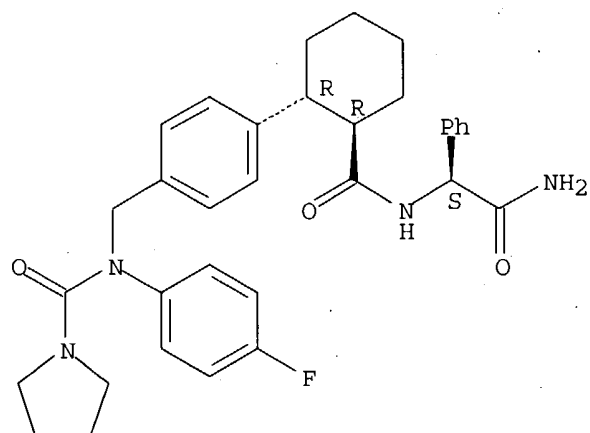
Absolute stereochemistry.



RN 403600-46-4 CAPLUS

CN 1-Pyrrolidinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)

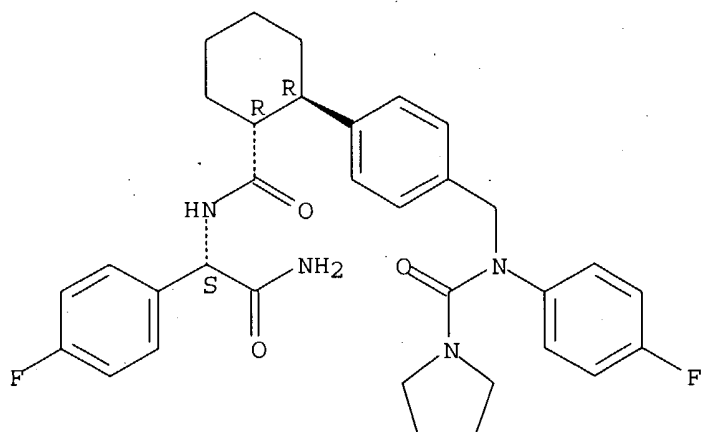
Absolute stereochemistry.



RN 403600-47-5 CAPLUS

CN 1-Pyrrolidinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)

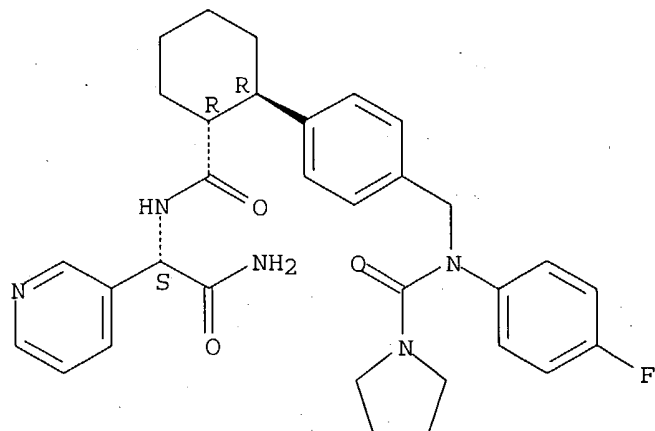
Absolute stereochemistry.



RN 403600-48-6 CAPLUS

CN 3-Pyridineacetamide, α-[[[(1R,2R)-2-{4-[[[4-fluorophenyl](1-pyrrolidinyl)carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

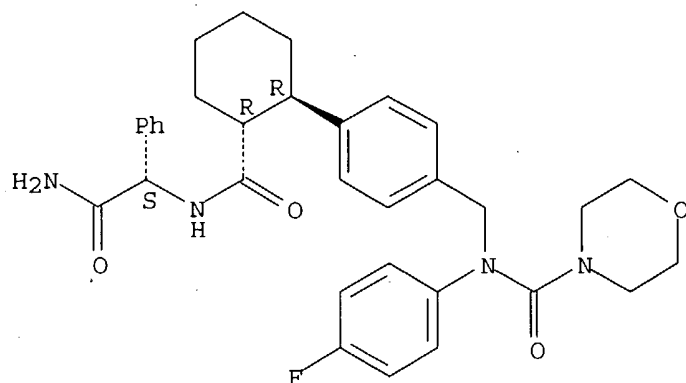
Absolute stereochemistry.



RN 403600-49-7 CAPLUS

CN 4-Morpholinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-(4-fluorophenyl)-, (9CI) (CA INDEX NAME)

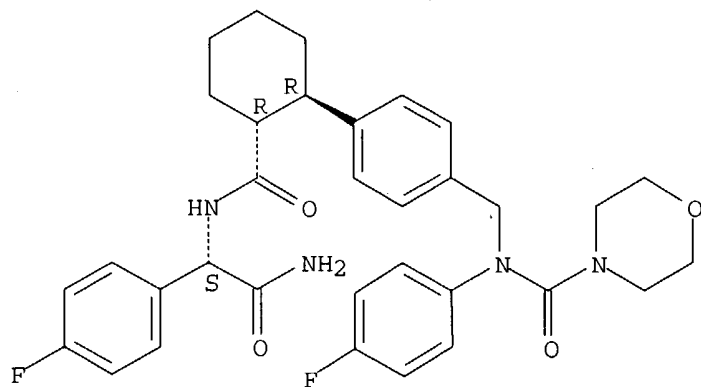
Absolute stereochemistry.



RN 403600-50-0 CAPLUS

CN 4-Morpholinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)

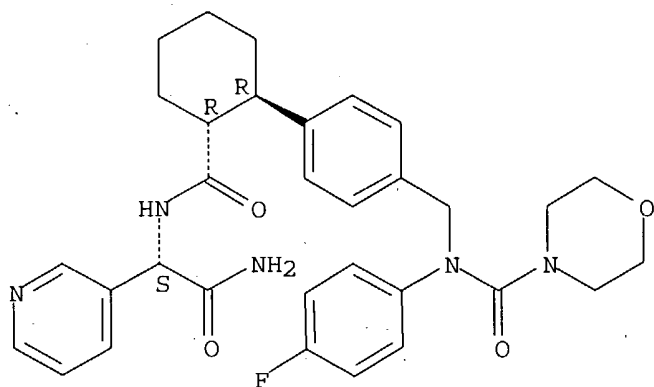
Absolute stereochemistry.



RN 403600-51-1 CAPLUS

CN 4-Morpholinecarboxamide, N-[[4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-(3-pyridinyl)ethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)

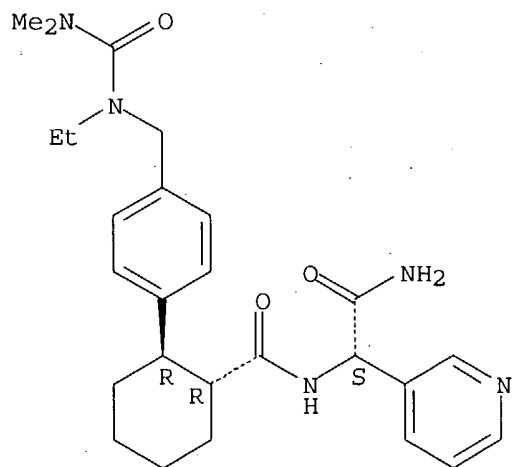
Absolute stereochemistry.



RN 403600-52-2 CAPLUS

3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl]ethylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

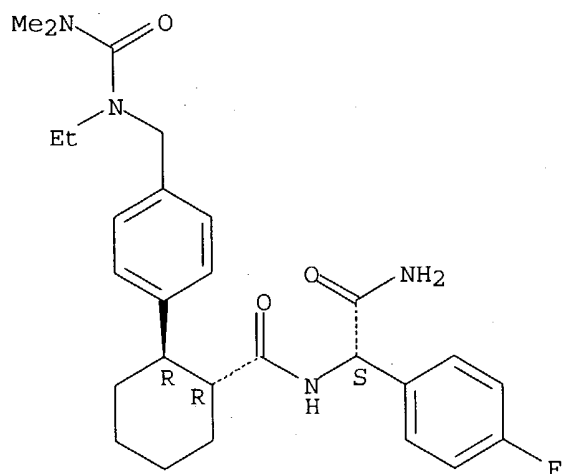


RN 403600-53-3 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl]ethylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha S$ )-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

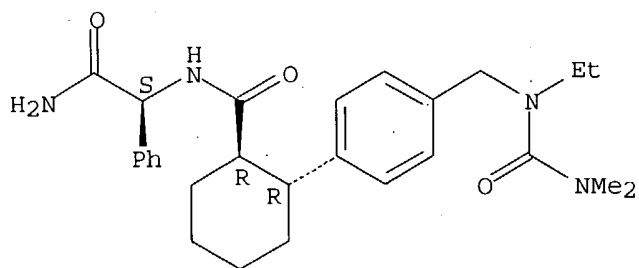




RN 403600-54-4 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[(dimethylamino)carbonyl]ethyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

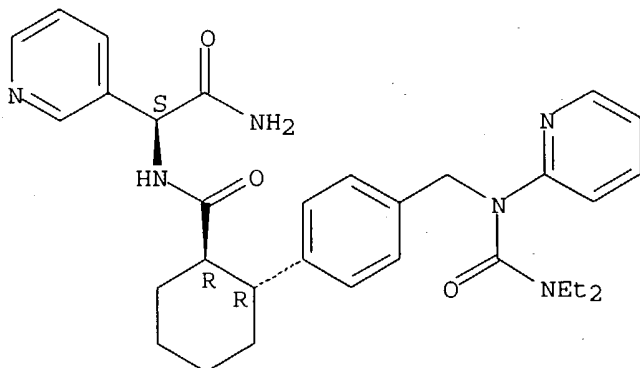
Absolute stereochemistry.



RN 403600-55-5 CAPLUS

CN 3-Pyridineacetamide, α-[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl]-2-pyridinylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

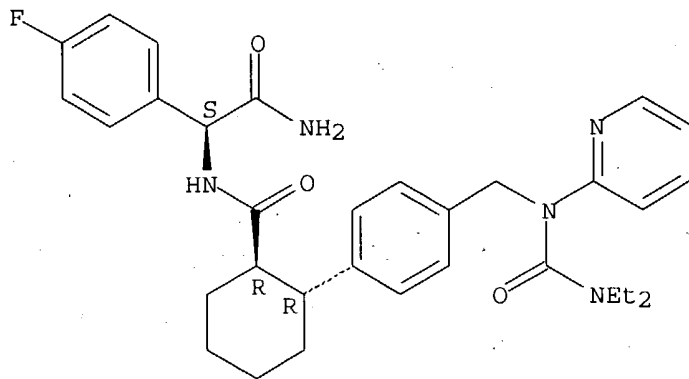
Absolute stereochemistry.



RN 403600-56-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(diethylamino)carbonyl]-2-pyridinylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

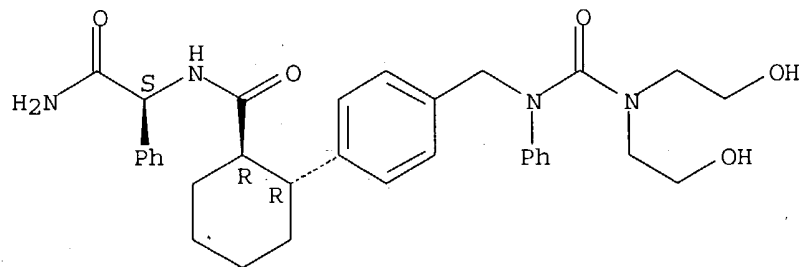
Absolute stereochemistry.



RN 403600-70-4 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[bis(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

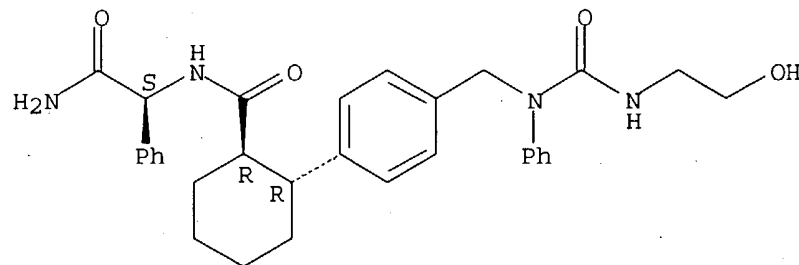
Absolute stereochemistry.



RN 403600-71-5 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

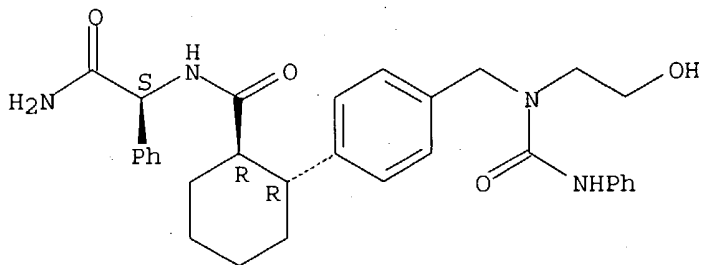
Absolute stereochemistry.



RN 403600-72-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[2-hydroxyethyl][(phenylamino)carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

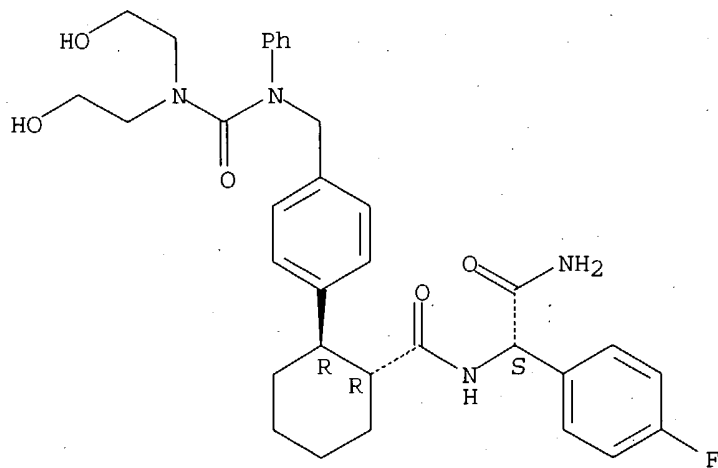
Absolute stereochemistry.



RN 403600-73-7 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[bis(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

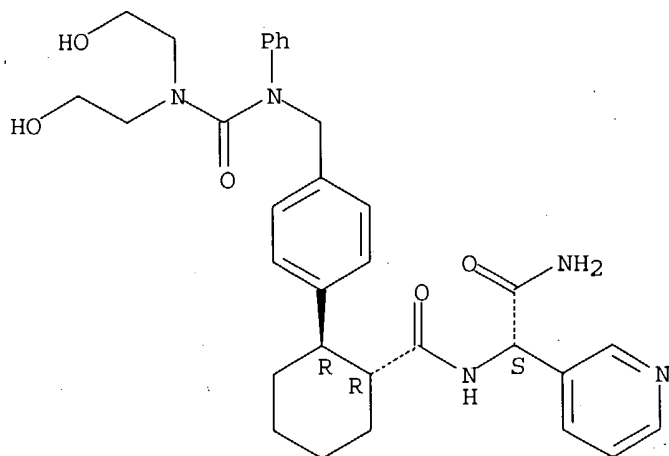
Absolute stereochemistry.



RN 403600-74-8 CAPLUS

CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[bis(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

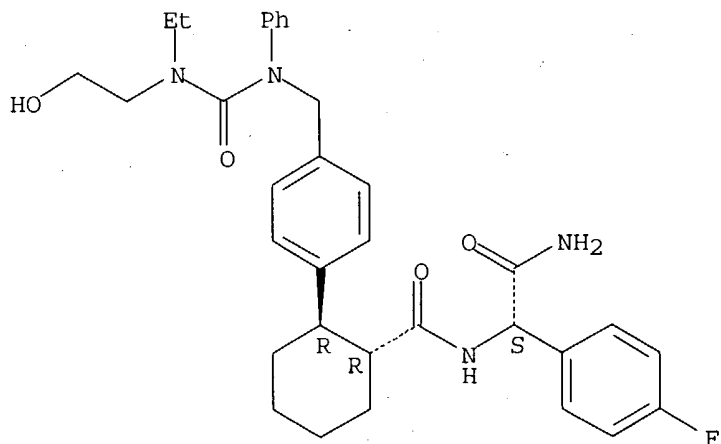
Absolute stereochemistry.



RN 403600-75-9 CAPLUS

CN Benzeneacetamide, α-[[[(1R,2R)-2-[4-[[[ethyl(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, (αS)- (9CI) (CA INDEX NAME)

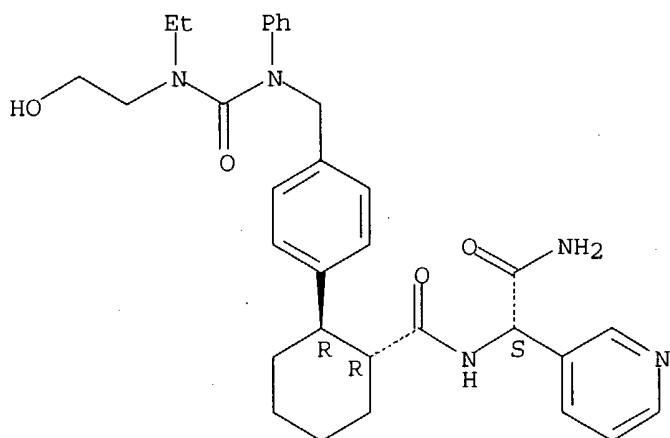
Absolute stereochemistry.



RN 403600-76-0 CAPLUS

CN 3-Pyridineacetamide, α-[[[(1R,2R)-2-[4-[[[ethyl(2-hydroxyethyl)amino]carbonyl]phenylamino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

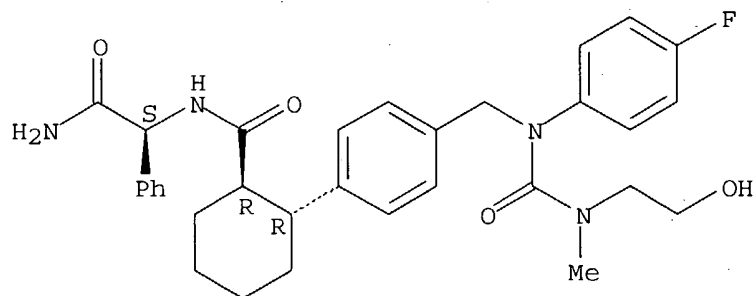
Absolute stereochemistry.



RN 403600-77-1 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[4-fluorophenyl][[(2-hydroxyethyl)methylamino]carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

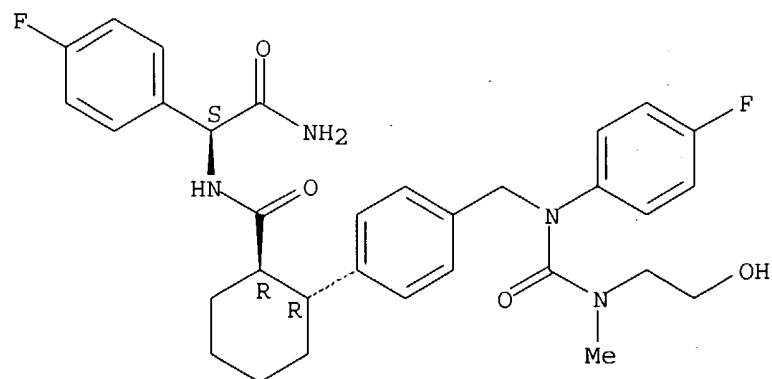
Absolute stereochemistry.



RN 403600-78-2 CAPLUS

CN Benzeneacetamide, 4-fluoro- $\alpha$ -[[[(1R,2R)-2-[4-[[[4-fluorophenyl][[(2-hydroxyethyl)methylamino]carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

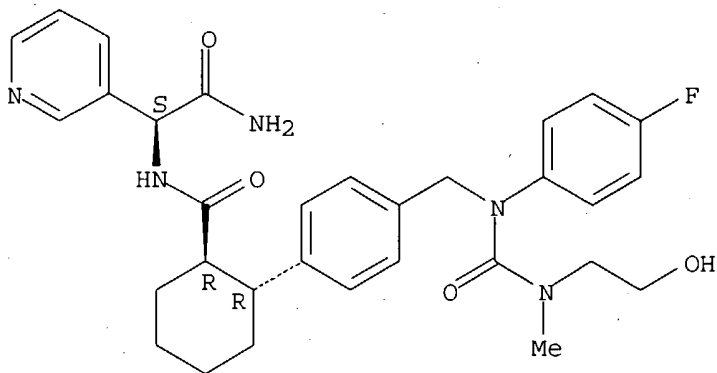
Absolute stereochemistry.



RN 403600-79-3 CAPLUS

CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[4-fluorophenyl][[(2-hydroxyethyl)methylamino]carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

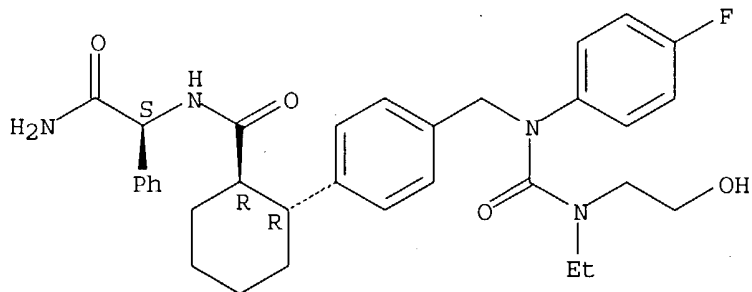
Absolute stereochemistry.



RN 403600-80-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[ethyl(2-hydroxyethyl)amino]carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

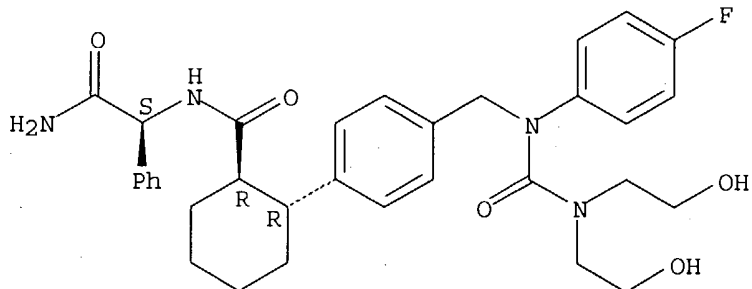
Absolute stereochemistry.



RN 403600-81-7 CAPLUS

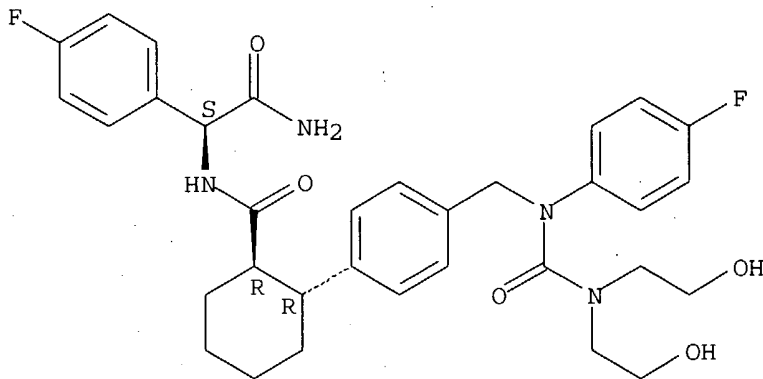
CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[bis(2-hydroxyethyl)amino]carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



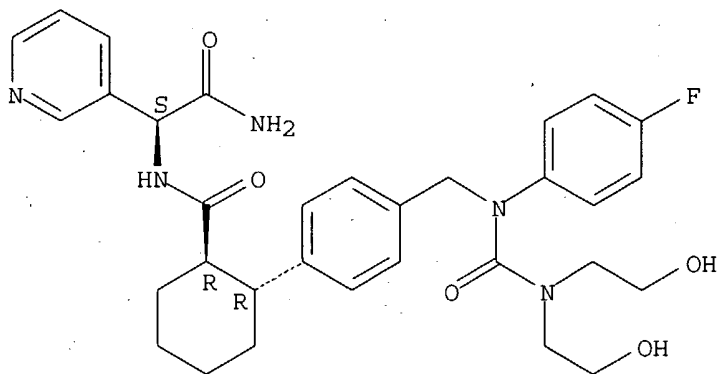
RN 403600-82-8 CAPLUS  
 CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[bis(2-hydroxyethyl)amino]carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-4-fluoro-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



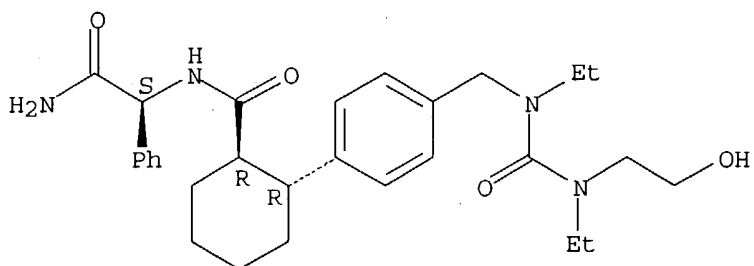
RN 403600-83-9 CAPLUS  
 CN 3-Pyridineacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[bis(2-hydroxyethyl)amino]carbonyl](4-fluorophenyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 403600-84-0 CAPLUS  
 CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[[ethyl[[ethyl(2-hydroxyethyl)amino]carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

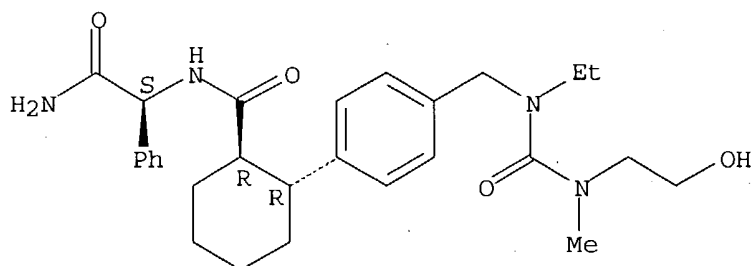
Absolute stereochemistry.



RN 403600-85-1 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[(1R,2R)-2-[4-[[ethyl[[[2-hydroxyethyl)methylamino]carbonyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

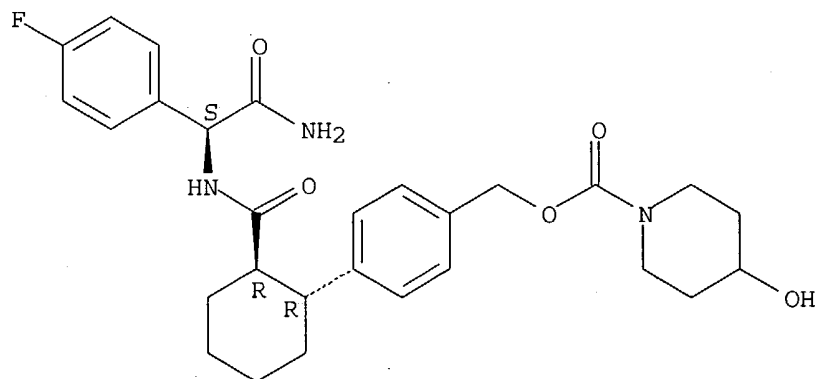
Absolute stereochemistry.



RN 403600-90-8 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-hydroxy-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

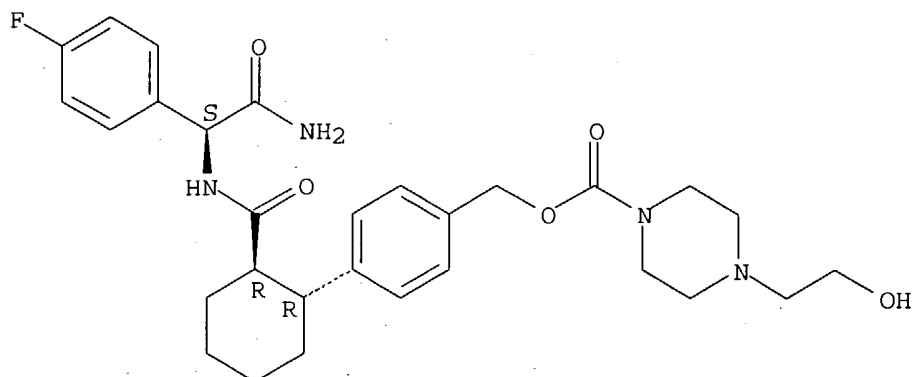


RN 403600-91-9 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-(2-hydroxyethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)



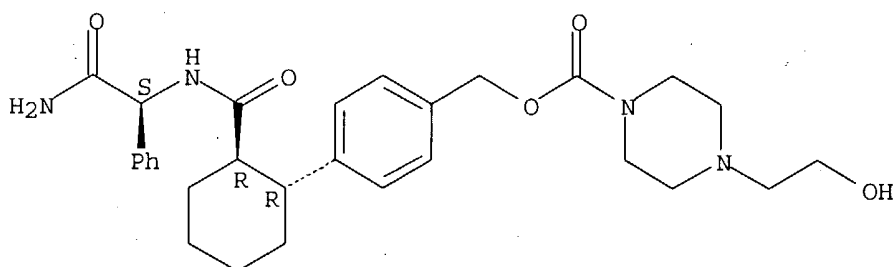
Absolute stereochemistry.



RN 403600-92-0 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-(2-hydroxyethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

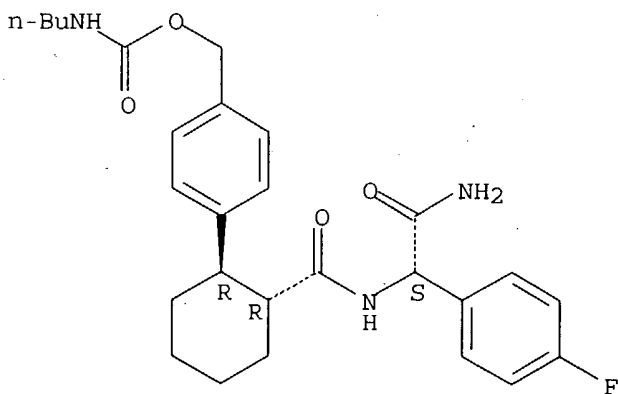
Absolute stereochemistry.



RN 403600-93-1 CAPLUS

CN Carbamic acid, butyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

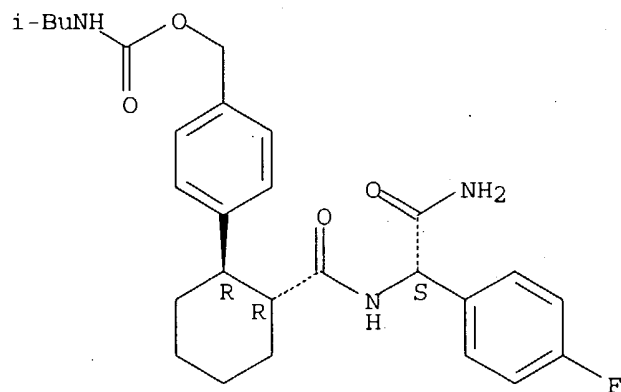
Absolute stereochemistry.



RN 403600-94-2 CAPLUS

CN Carbamic acid, (2-methylpropyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester  
(9CI) (CA INDEX NAME)

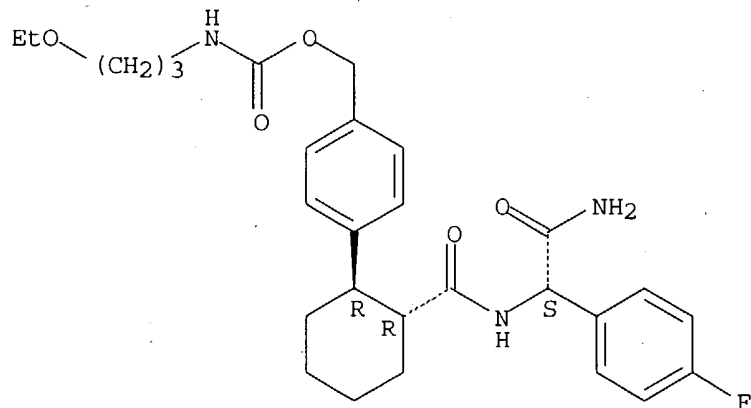
Absolute stereochemistry.



RN 403600-95-3 CAPLUS

CN Carbamic acid, (3-ethoxypropyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester  
(9CI) (CA INDEX NAME)

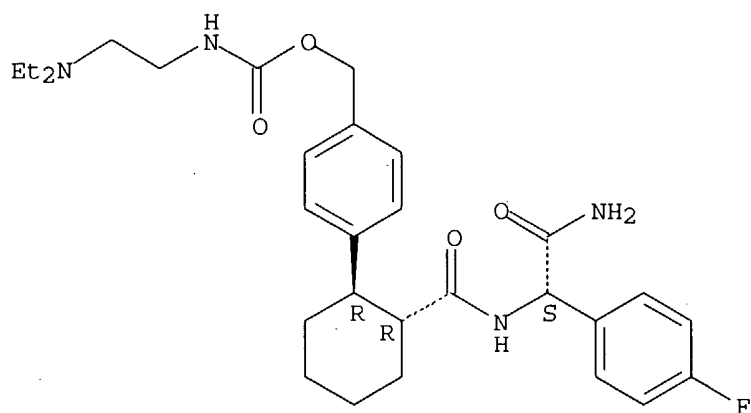
Absolute stereochemistry.



RN 403600-96-4 CAPLUS

CN Carbamic acid, [2-(diethylamino)ethyl]-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester  
(9CI) (CA INDEX NAME)

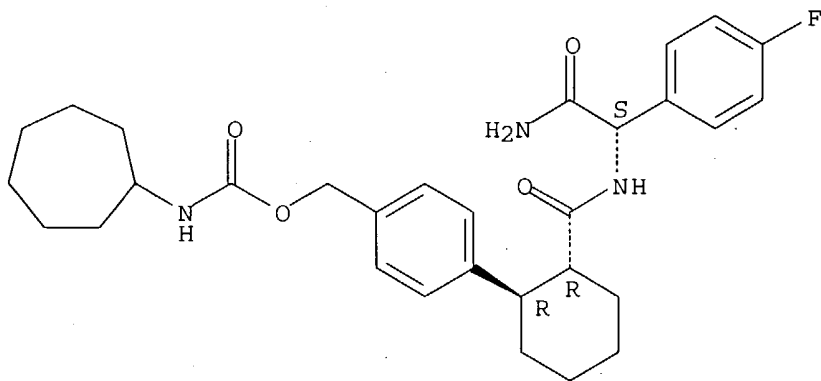
Absolute stereochemistry.



RN 403600-97-5 CAPLUS

CN Carbamic acid, cycloheptyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

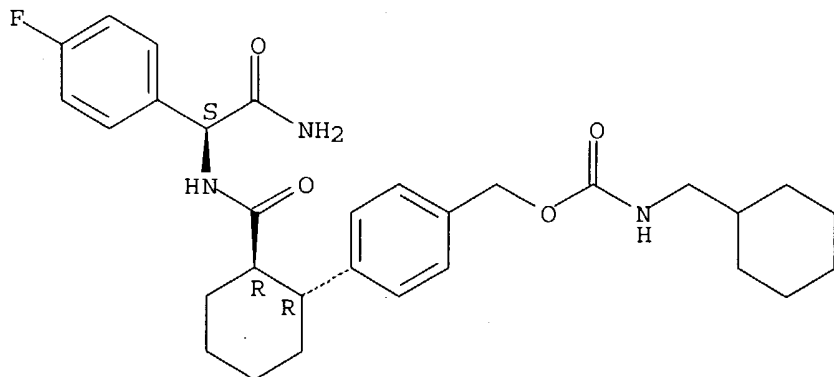
Absolute stereochemistry.



RN 403600-98-6 CAPLUS

CN Carbamic acid, (cyclohexylmethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

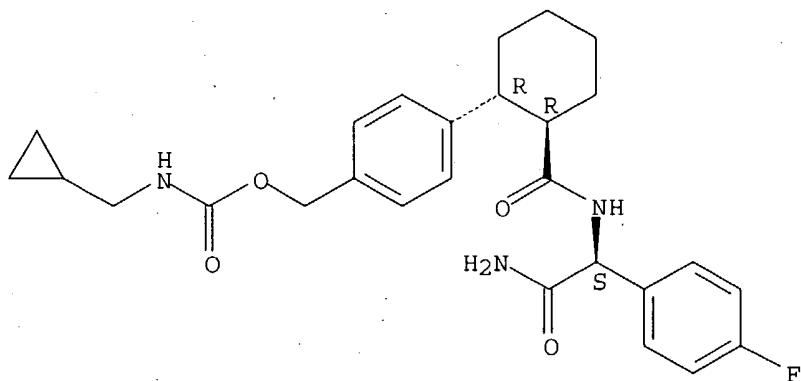
Absolute stereochemistry.



RN 403600-99-7 CAPLUS

CN Carbamic acid, (cyclopropylmethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

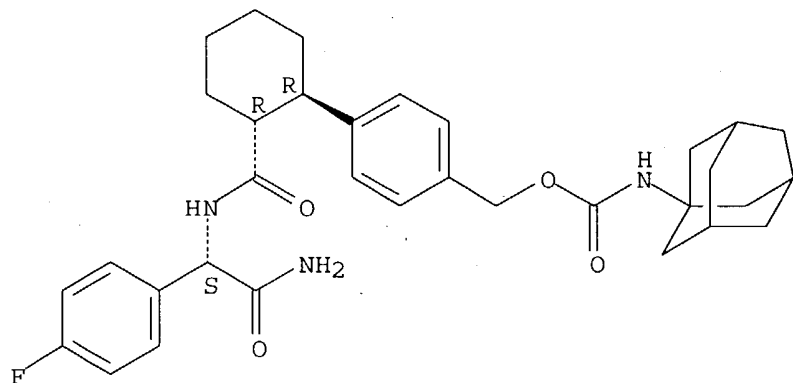
Absolute stereochemistry.



RN 403601-00-3 CAPLUS

CN Carbamic acid, tricyclo[3.3.1.1<sup>3,7</sup>]dec-1-yl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

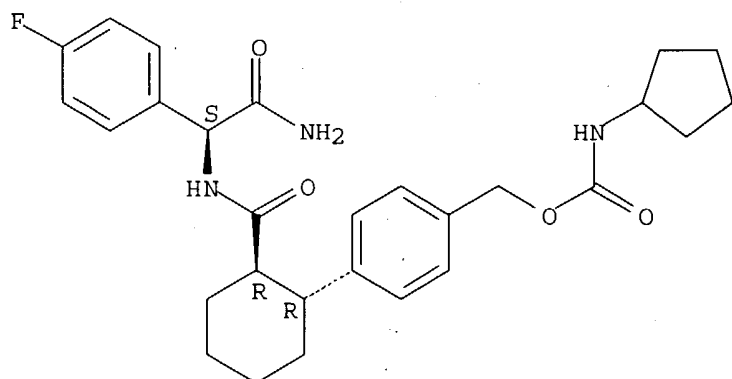
Absolute stereochemistry.



RN 403601-01-4 CAPLUS

CN Carbamic acid, cyclopentyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

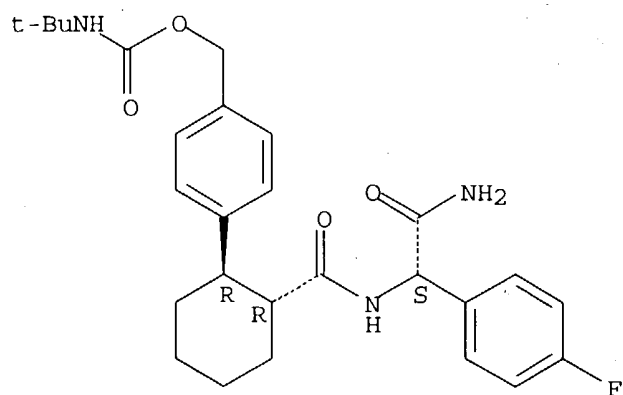
Absolute stereochemistry.



RN 403601-02-5 CAPLUS

CN Carbamic acid, (1,1-dimethylethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

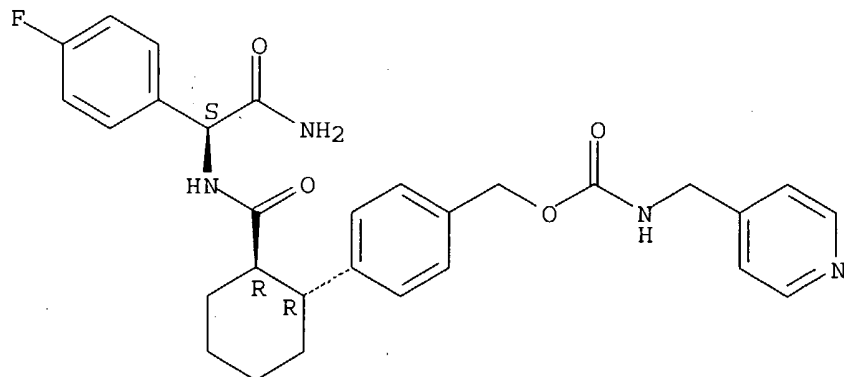
Absolute stereochemistry.



RN 403601-03-6 CAPLUS

CN Carbamic acid, (4-pyridinylmethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

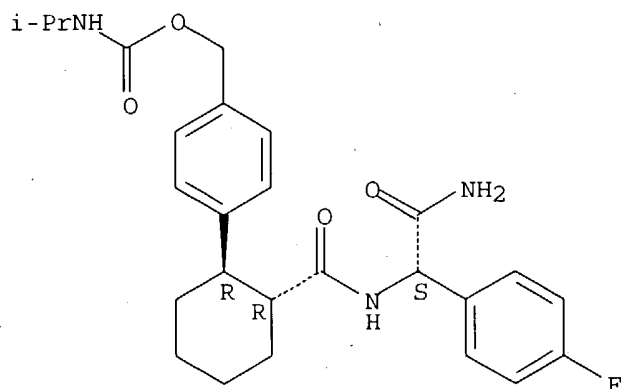
Absolute stereochemistry.



RN 403601-04-7 CAPLUS

CN Carbamic acid, (1-methylethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester  
(9CI) (CA INDEX NAME)

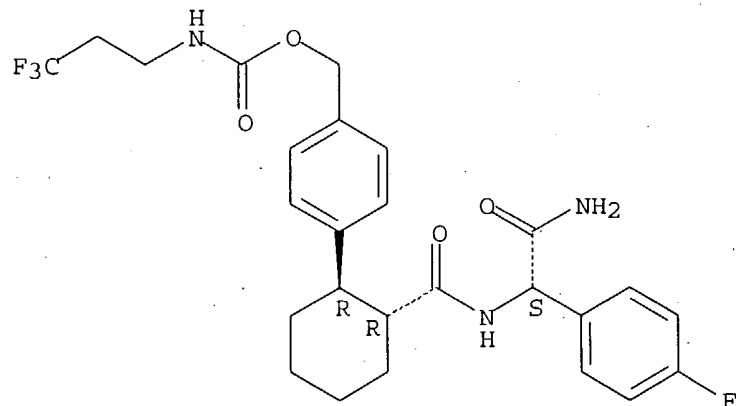
Absolute stereochemistry.



RN 403601-05-8 CAPLUS

CN Carbamic acid, (3,3,3-trifluoropropyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester  
(9CI) (CA INDEX NAME)

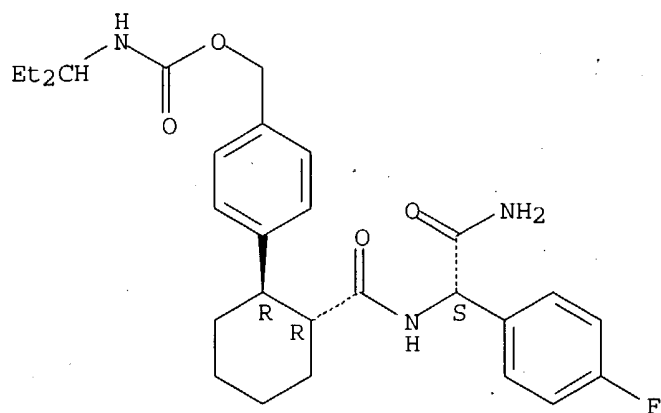
Absolute stereochemistry.



RN 403601-06-9 CAPLUS

CN Carbamic acid, (1-ethylpropyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester  
(9CI) (CA INDEX NAME)

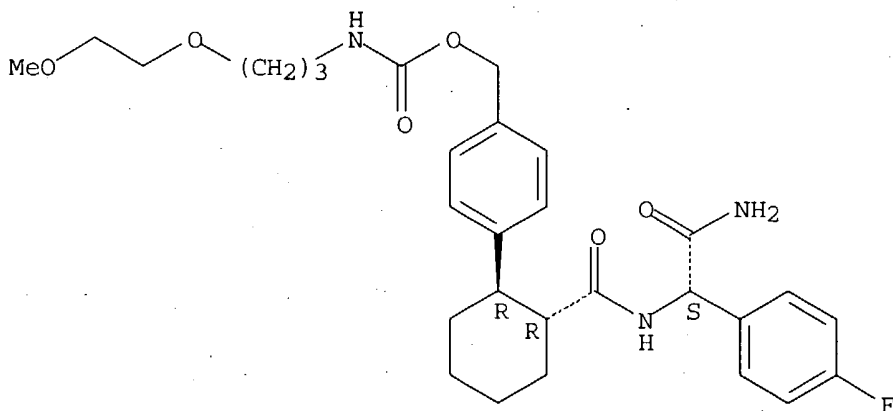
Absolute stereochemistry.



RN 403601-07-0 CAPLUS

CN Carbamic acid, [3-(2-methoxyethoxy)propyl]-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

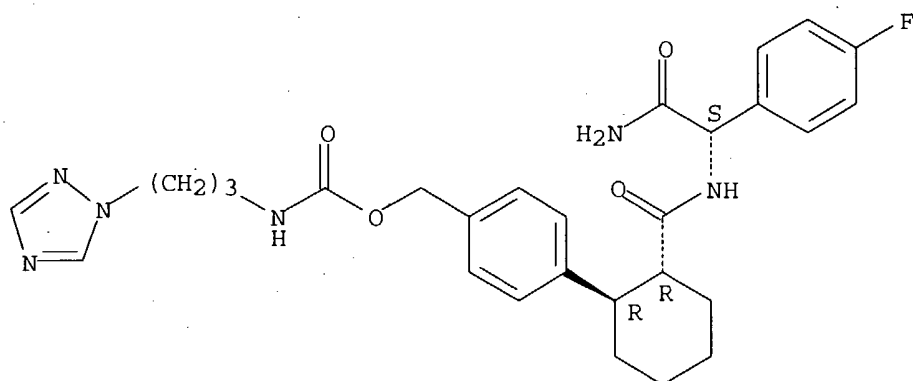
Absolute stereochemistry.



RN 403601-08-1 CAPLUS

CN Carbamic acid, [3-(1H-1,2,4-triazol-1-yl)propyl]-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

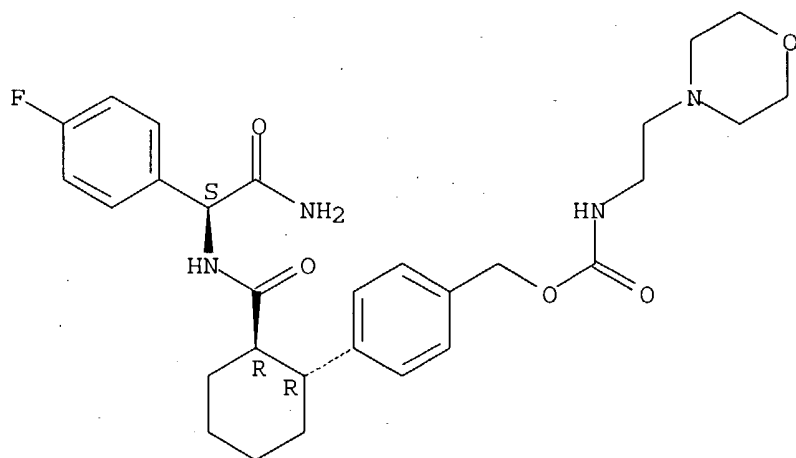
Absolute stereochemistry.



RN 403601-09-2 CAPLUS

CN Carbamic acid, [2-(4-morpholinyl)ethyl]-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

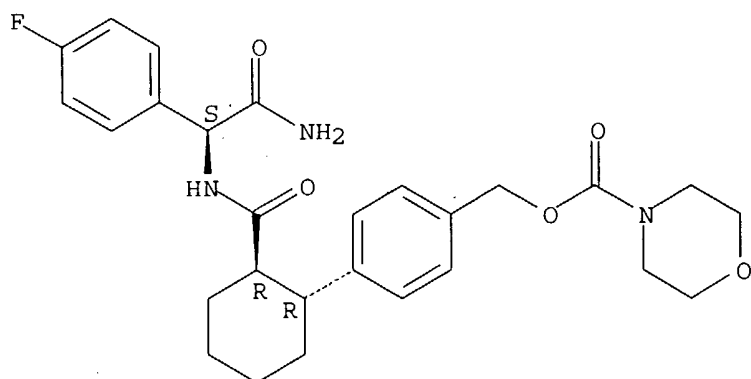


RN 403601-10-5 CAPLUS

CN 4-Morpholinecarboxylic acid, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

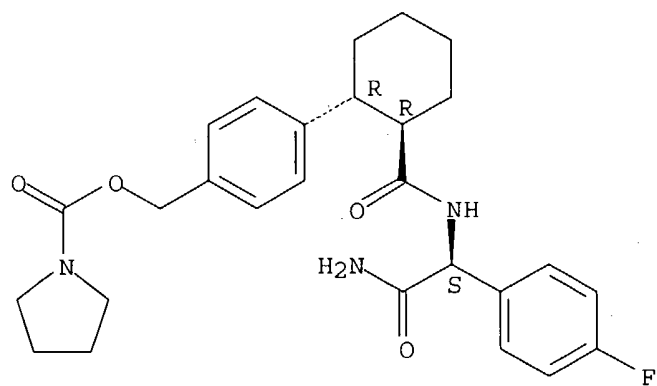




RN 403601-11-6 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

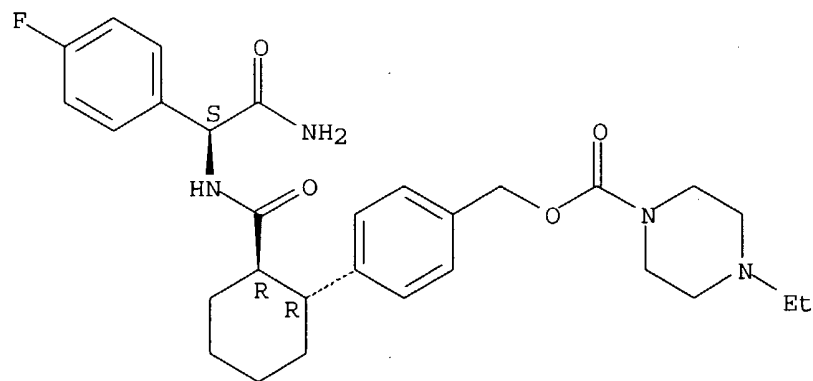
Absolute stereochemistry.



RN 403601-12-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-ethyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

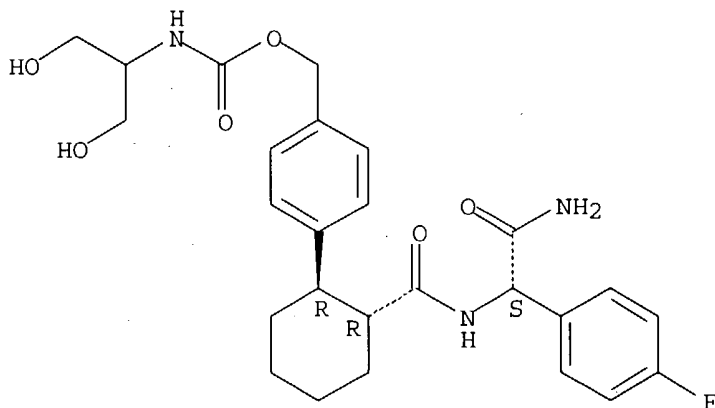
Absolute stereochemistry.



RN 403601-13-8 CAPLUS

CN Carbamic acid, [2-hydroxy-1-(hydroxymethyl)ethyl]-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

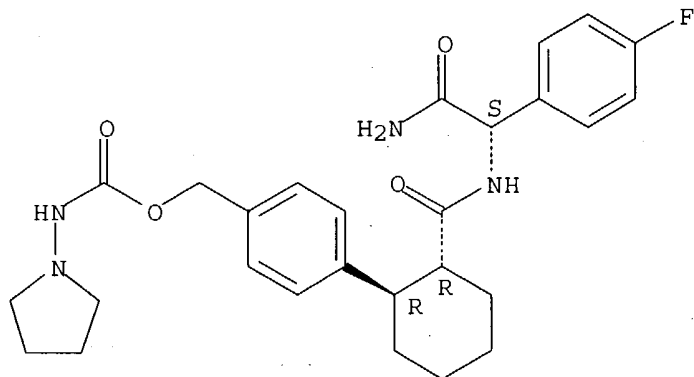
Absolute stereochemistry.



RN 403601-14-9 CAPLUS

CN Carbamic acid, 1-pyrrolidinyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

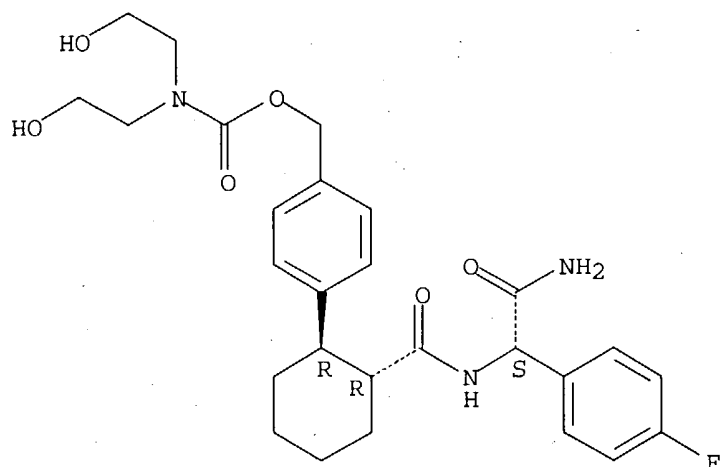
Absolute stereochemistry.



RN 403601-15-0 CAPLUS

CN Carbamic acid, bis(2-hydroxyethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

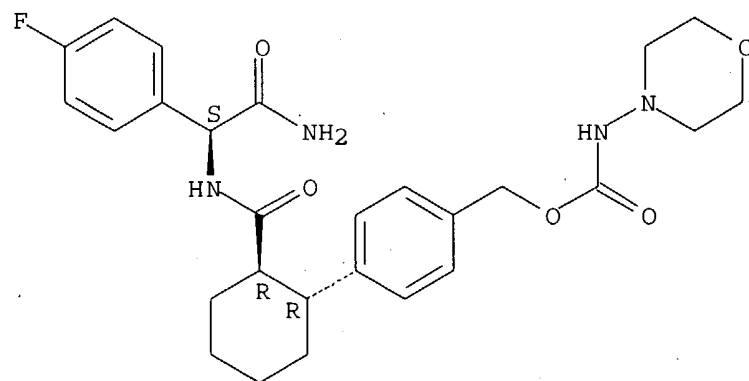
Absolute stereochemistry.



RN 403601-16-1 CAPLUS

CN Carbamic acid, 4-morpholinyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

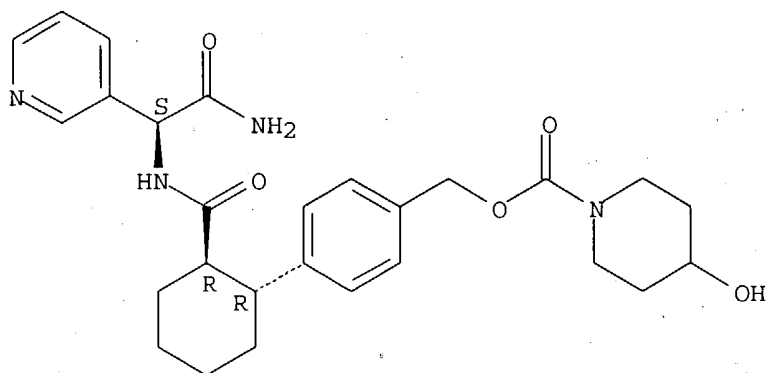
Absolute stereochemistry.



RN 403601-17-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-hydroxy-, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-(3-pyridinyl)ethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

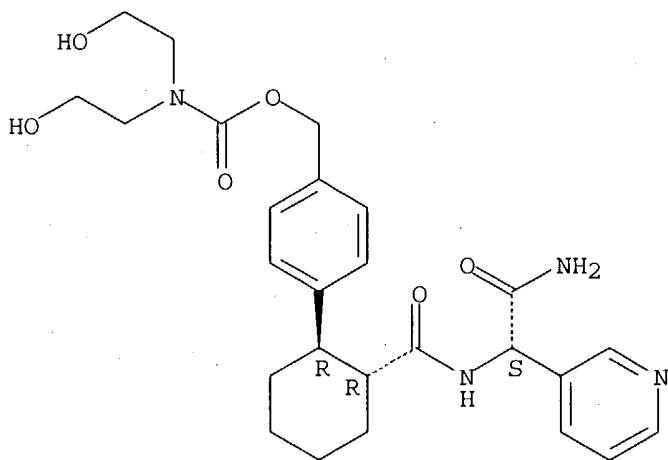
Absolute stereochemistry.



RN 403601-18-3 CAPLUS

CN Carbamic acid, bis(2-hydroxyethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-(3-pyridinyl)ethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI)  
(CA INDEX NAME)

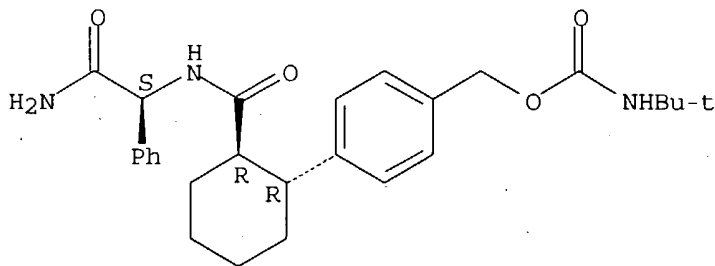
Absolute stereochemistry.



RN 403601-20-7 CAPLUS

CN Carbamic acid, (1,1-dimethylethyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

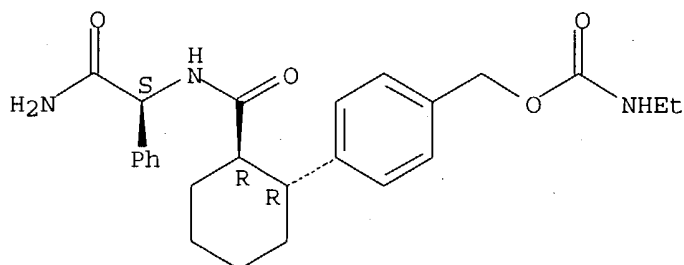
Absolute stereochemistry.



RN 403601-21-8 CAPLUS

CN Carbamic acid, ethyl-, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

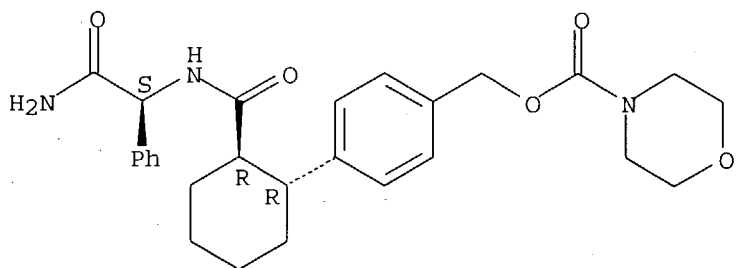
Absolute stereochemistry.



RN 403601-22-9 CAPLUS

CN 4-Morpholinecarboxylic acid, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

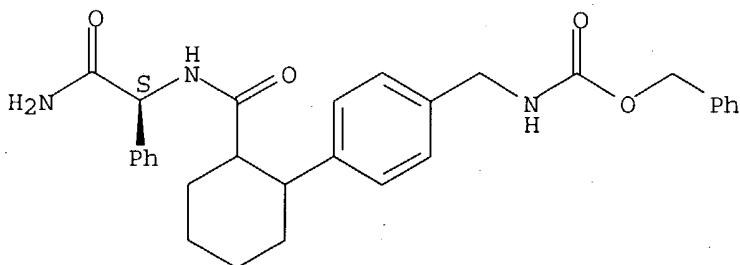
Absolute stereochemistry.



RN 403601-25-2 CAPLUS

CN Carbamic acid, [[4-[2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

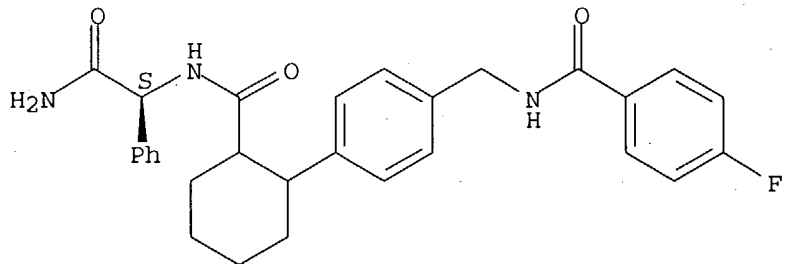
Absolute stereochemistry.



RN 403601-28-5 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[[[4-fluorobenzoyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

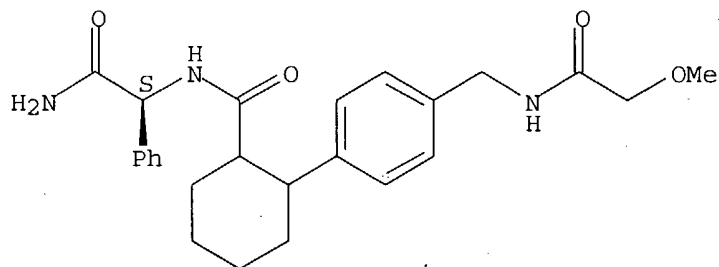
Absolute stereochemistry.



RN 403601-29-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[[[methoxyacetyl]amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

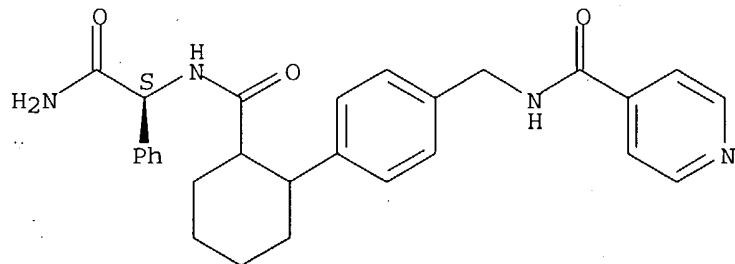
Absolute stereochemistry.



RN 403601-30-9 CAPLUS

CN 4-Pyridinecarboxamide, N-[[[4-[2-[[[(1S)-2-amino-2-oxo-1-phenylethyl]amino]carbonyl]cyclohexyl]phenyl]methyl]- (9CI) (CA INDEX NAME)

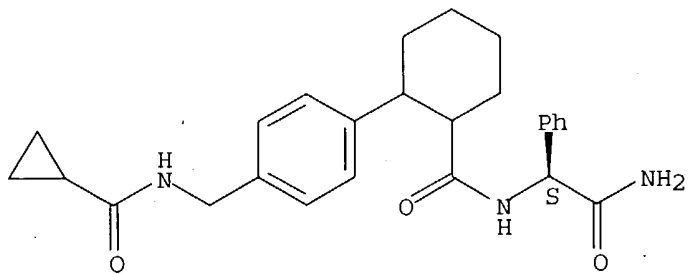
Absolute stereochemistry.



RN 403601-31-0 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[[[(cyclopropylcarbonyl)amino]methyl]phenyl]cyclohexyl]carbonyl]amino]-, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

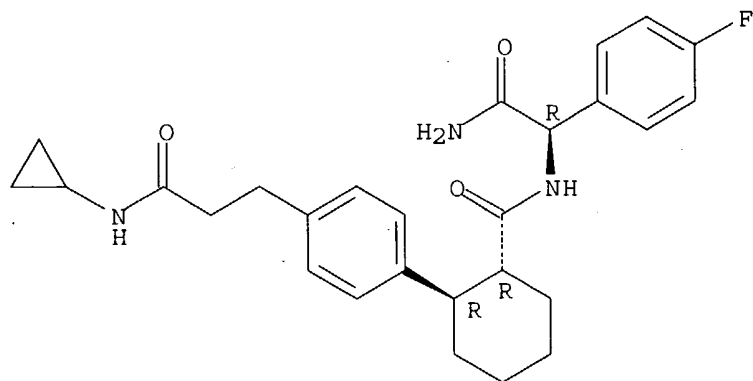
Absolute stereochemistry.



RN 403601-36-5 CAPLUS

CN Benzenepropanamide, 4-[(1R,2R)-2-[[[(1R)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]-N-cyclopropyl- (9CI) (CA INDEX NAME)

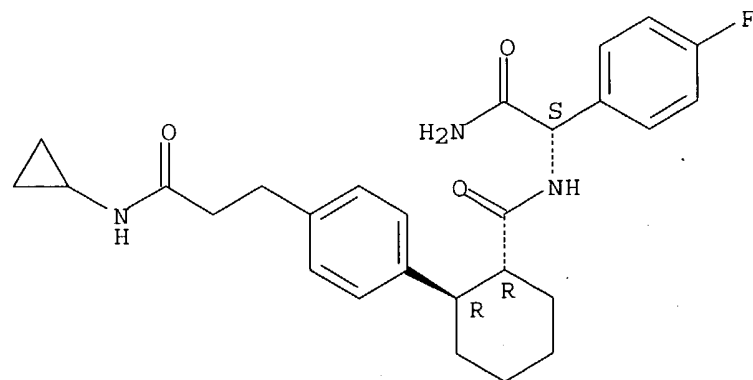
Absolute stereochemistry.



RN 403601-37-6 CAPLUS

CN Benzenepropanamide, 4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]-N-cyclopropyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

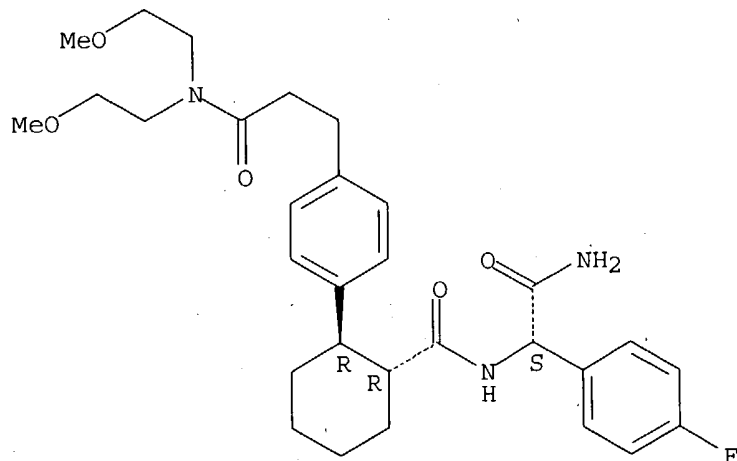


RN 403601-38-7 CAPLUS

CN Benzenepropanamide, 4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-

oxoethyl]amino]carbonyl]cyclohexyl]-N,N-bis(2-methoxyethyl)- (9CI) (CA INDEX NAME)

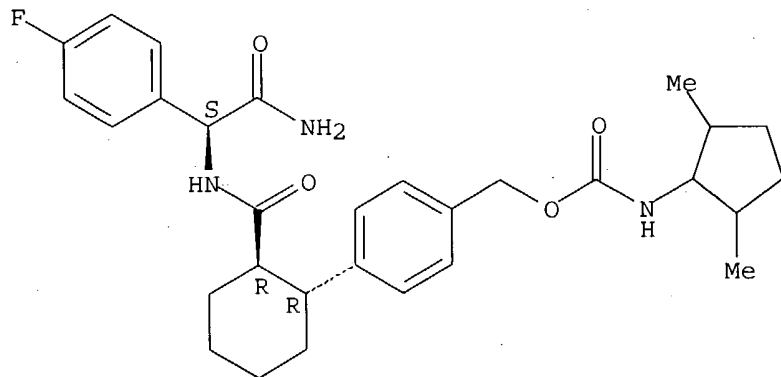
Absolute stereochemistry.



RN 403660-70-8 CAPLUS

CN Carbamic acid, (2,5-dimethylcyclopentyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

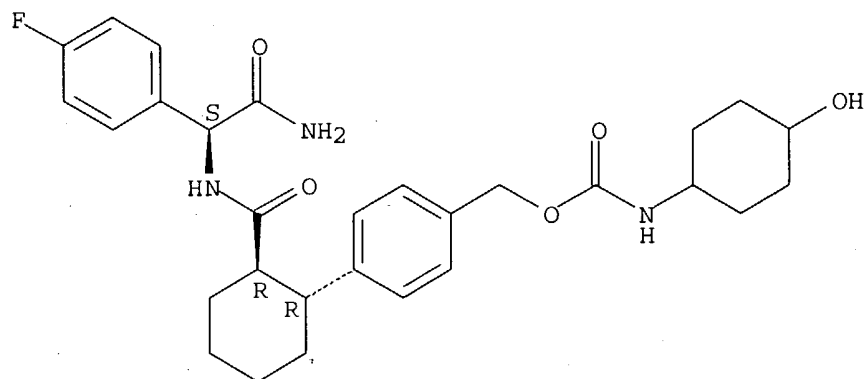


RN 403660-71-9 CAPLUS

CN Carbamic acid, (4-hydroxycyclohexyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-1-(4-fluorophenyl)-2-oxoethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

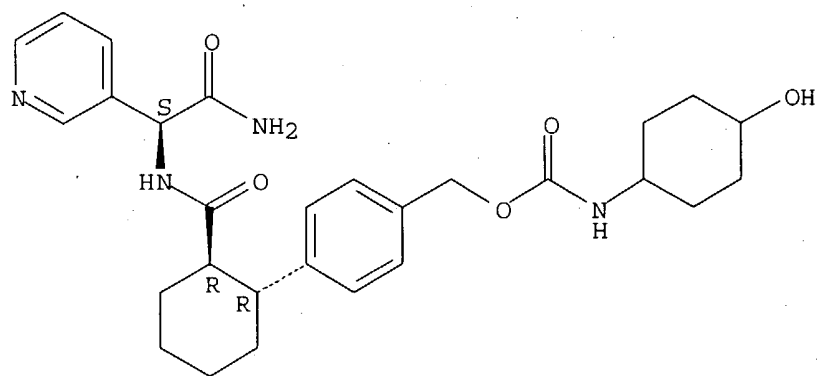




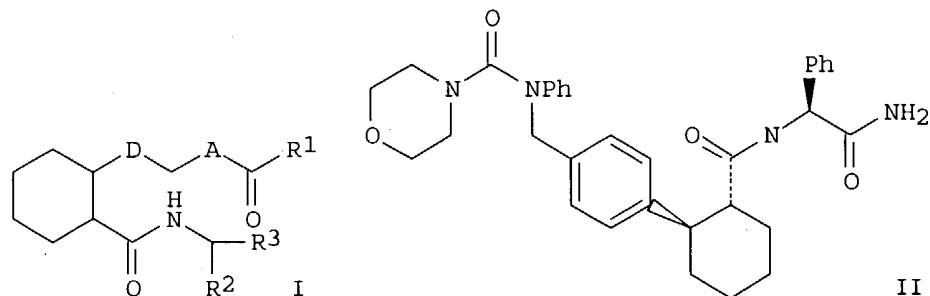
RN 403660-72-0 CAPLUS

CN Carbamic acid, (4-hydroxycyclohexyl)-, [4-[(1R,2R)-2-[[[(1S)-2-amino-2-oxo-1-(3-pyridinyl)ethyl]amino]carbonyl]cyclohexyl]phenyl]methyl ester (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



GI



AB Title compds. I [D = (un)substituted C<sub>6</sub>H<sub>4</sub>, thiophene-2,5-diyl; A = O, (un)substituted NH, CH<sub>2</sub>; R<sub>1</sub> = H, alkyl, hydroxyalkyl, alkoxyalkyl,

Siegfried; Gerdes, Christoph; Domdey-Bette, Anke; Gruetzmann, Rudi;  
Lohmer, Stefan; Wohlfeil, Stefan; et al.

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 16 pp.

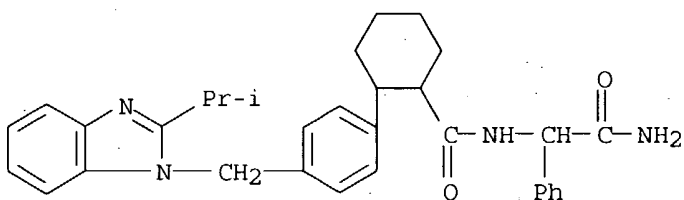
CODEN: EPXXDW

DT Patent

LA German

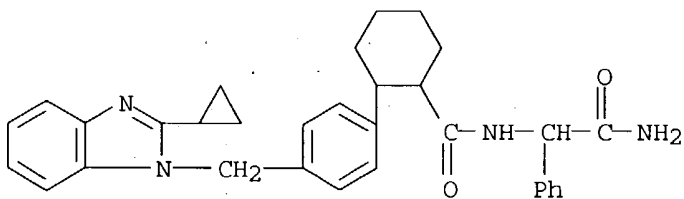
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	(preparation of benzylimidazole derivs. for the treatment of vascular restenosis)				
RN	181130-37-0 CAPLUS				
CN	Benzeneacetamide, $\alpha$ -[[[2-[4-[[2-(1-methylethyl)-1H-benzimidazol-1-yl]methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)				



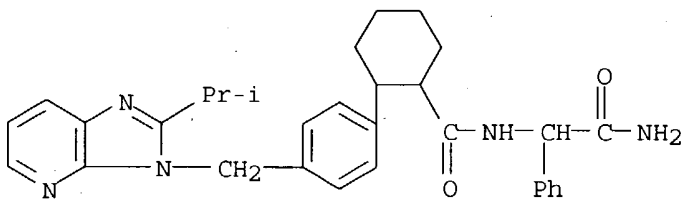
RN 181130-38-1 CAPLUS

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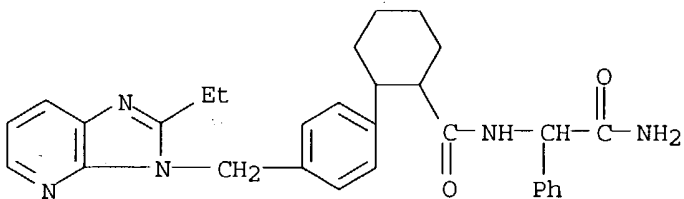
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CN Benzeneacetamide, α-[[[2-[4-[[2-(1-methylethyl)-3H-imidazo[4,5-b]pyridin-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



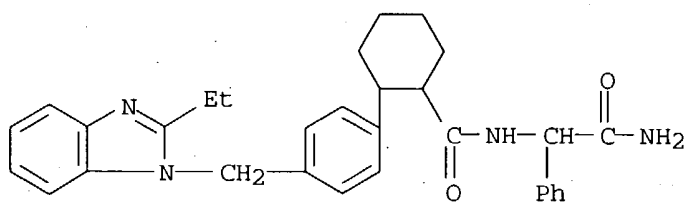
RN 181130-40-5 CAPLUS

CN Benzeneacetamide, α-[[[2-[4-[(2-ethyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



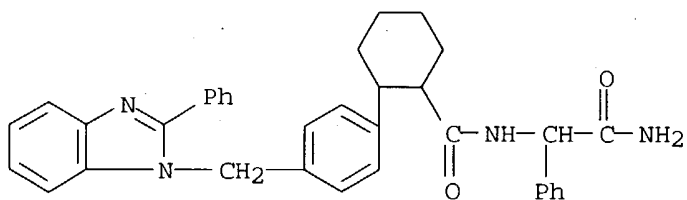
RN 181130-41-6 CAPLUS

CN Benzeneacetamide, α-[[[2-[4-[(2-ethyl-1H-benzimidazol-1-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

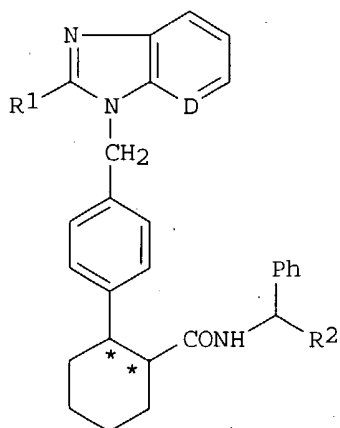


RN 181130-42-7 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(2-phenyl-1H-benzimidazol-1-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



GI



I

AB The title compds. [I; D = CH, N; R1 = Ph, cycloalkyl, (un)branched alkyl; R2 = (un)branched alkoxy carbonyl, CH2OH, CONH2], useful for the treatment of vascular restenosis, are prepared. Thus, I (D = N, R1 = CHMe2, R2 = CONH2; \* \* cyclohexyl ring bonding is trans) was prepared and demonstrated a IC50 of 0.01 nM for the inhibition of rat aorta smooth muscle proliferation.

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:560541 CAPLUS

DN 125:221572

TI Preparation of substituted 3-benzylindole antiatherosclerotics

IN Mueller-Gliemann, Matthias; Mueller, Ulrich; Beuck, Martin; Zaiss,

Sigfried; Gerdes, Christoph; Domdey-Better, Anke; Gruetzmann, Rudi;  
 Lohmer, Stefan; Wohlfeil, Stefan; et al.  
 PA Bayer A.-G., Germany  
 SO Eur. Pat. Appl., 15 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 725061	A1	19960807	EP 1996-100761	19960119
	EP 725061	B1	20000607		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	DE 19513716	A1	19960808	DE 1995-19513716	19950411
				DE 1995-19503159A	19950201
	HR 960015	B1	20001231	HR 1996-960015	19960115
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	AT 193701	E	20000615	AT 1996-100761	19960119
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	ES 2148600	T3	20001016	ES 1996-100761	19960119
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	PT 725061	T	20001130	PT 1996-96100761	19960119
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	JP 08253451	A2	19961001	JP 1996-30123	19960125
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	CA 2168320	AA	19960802	CA 1996-2168320	19960129
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	FI 9600424	A	19960802	FI 1996-424	19960130
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	AU 9642241	A1	19960808	AU 1996-42241	19960130
	AU 708784	B2	19990812		
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	IL 116956	A1	20000217	IL 1996-116956	19960130
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	NO 9600413	A	19960802	NO 1996-413	19960131
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	ZA 9600726	A	19960820	ZA 1996-726	19960131
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	RU 2162842	C2	20010210	RU 1996-101801	19960131
				DE 1995-19503159A	19950201
	CN 1137520	A	19961211	CN 1996-102575	19960201
	CN 1067987	B	20010704		
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	GR 3034245	T3	20001229	GR 2000-401932	20000823
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DE 1995-19513716A 19950411

OS MARPAT 125:221572

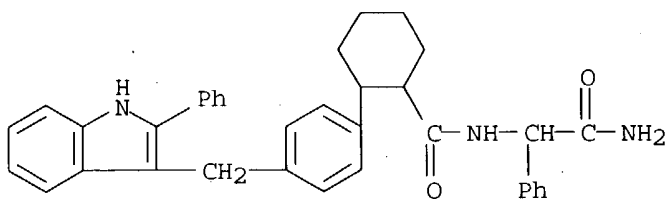
IT 181070-80-4P 181070-82-6P 181228-88-6P

181228-90-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of substituted 3-benzylindole antiatherosclerotics)

RN 181070-80-4 CAPLUS

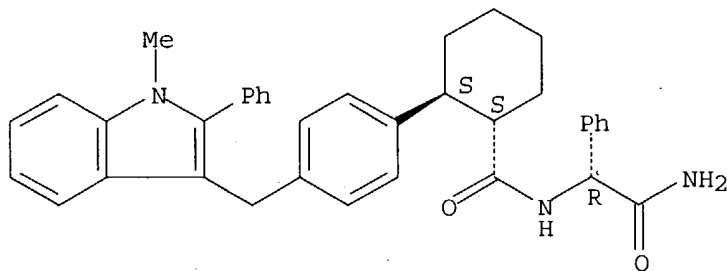
CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 181070-82-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(1-methyl-2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1 $\alpha$ (S\*),2 $\beta$ ]- (9CI) (CA INDEX NAME)

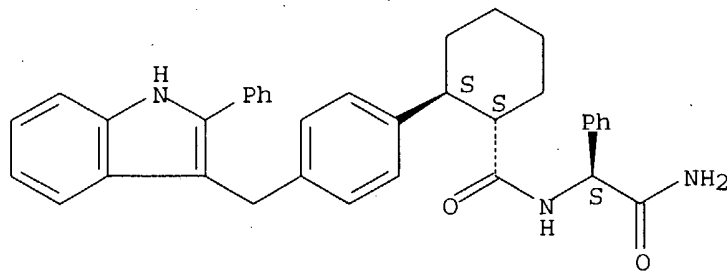
Relative stereochemistry.



RN 181228-88-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1 $\alpha$ (R\*),2 $\beta$ ]- (9CI) (CA INDEX NAME)

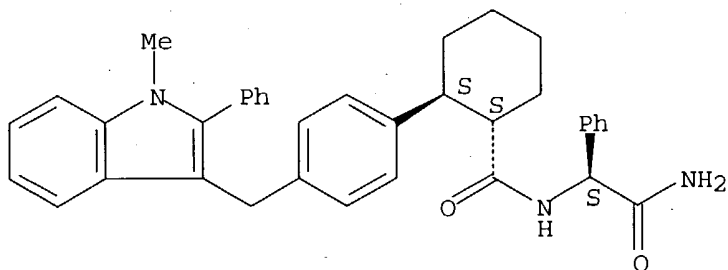
Relative stereochemistry.



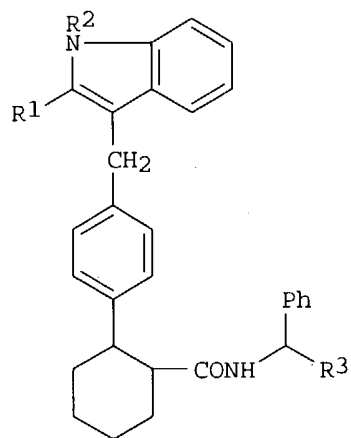
RN 181228-90-0 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(1-methyl-2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1 $\alpha$ (R\*),2 $\beta$ ]-  
(9CI) (CA INDEX NAME)

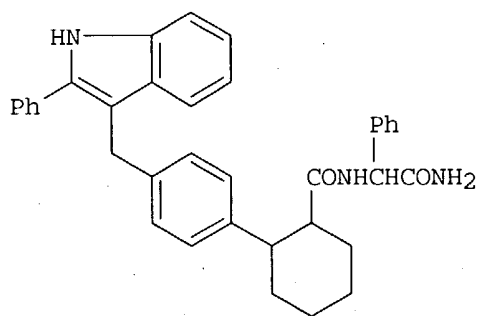
Relative stereochemistry.



GI



I



II

AB The title compds. [I; R1 = Ph, cycloalkyl, (un)branched alkyl; R2 = H, (un)branched alkyl; R3 = CONH2, CH2OH], useful for the treatment of atherosclerosis or restenosis, are prepared. Thus, II, prepared from phenylglycinamide, demonstrated a IC50 of 0.052 nM against the proliferation of pig aorta smooth muscle.

L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:94905 CAPLUS

DN 122:56057

TI [(Imidazo[4,5-b]pyridinylmethyl)phenyl]cyclohexanecarboxylates as angiotensin antagonists

IN Mueller, Ulrich; Dressel, Juergen; Fey, Peter; Hanko, Rudolf; Huebsch, Walter; Kraemer, Thomas; Mueller-Gliemann, Matthias; Beuck, Martin; Kazda, Stanislav; et al.

PA Bayer A.-G., Germany

SO Ger. Offen., 29 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4304455	A1	19940818	DE 1993-4304455	19930215
	AU 9454807	A1	19940818	AU 1994-54807	19940131
	AU 672262	B2	19960926		
	EP 611767	A1	19940824	DE 1993-4304455A	19930215
	EP 611767	B1	20000906	EP 1994-101543	19940202
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 196141	E	20000915	DE 1993-4304455A	19930215
	ES 2151908	T3	20010116	AT 1994-101543	19940202
	PT 611767	T	20010228	DE 1993-4304455A	19930215
	US 5395840	A	19950307	ES 1994-101543	19940202
	CA 2115536	AA	19940816	DE 1993-4304455A	19930215
	FI 9400659	A	19940816	CA 1994-2115536	19940211
	IL 108625	A1	19970930	DE 1993-4304455A	19930215
	PL 177834	B1	20000131	FI 1994-659	19940211
	NO 9400506	A	19940816	DE 1993-4304455A	19930215
	ZA 9400984	A	19940824	IL 1994-108625	19940211
	JP 06293741	A2	19941021	DE 1993-4304455A	19930215
	RU 2119480	C1	19980927	PL 1994-302213	19940211
	CN 1108257	A	19950913	DE 1993-4304455A	19930215
	CN 1057085	B	20001004	NO 1994-506	19940214
	CZ 289096	B6	20011114	DE 1993-4304455A	19930215
	GR 3034957	T3	20010228	ZA 1994-984	19940214
				DE 1993-4304455A	19930215
				JP 1994-37543	19940214
				DE 1993-4304455A	19930215
				RU 1994-4975	19940214
				DE 1993-4304455A	19930215
				CN 1994-101553	19940215
				DE 1993-4304455A	19930215
				CZ 1994-329	19940215
				DE 1993-4304455A	19930215
				GR 2000-402660	20001130
				DE 1993-4304455A	19930215

OS MARPAT 122:56057

IT **158098-22-7P 158189-62-9P**

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

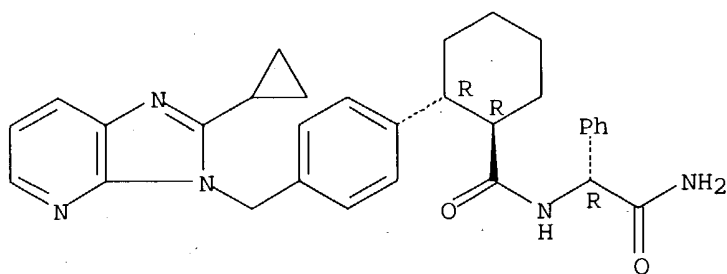
(preparation of [(imidazopyridinyl)methyl]phenyl]cyclohexanecarboxylates as angiotensin antagonists)

RN 158098-22-7 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(2-cyclopropyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1 $\alpha$ (R\*),2 $\beta$ ]- (9CI) (CA INDEX NAME)

Relative stereochemistry.

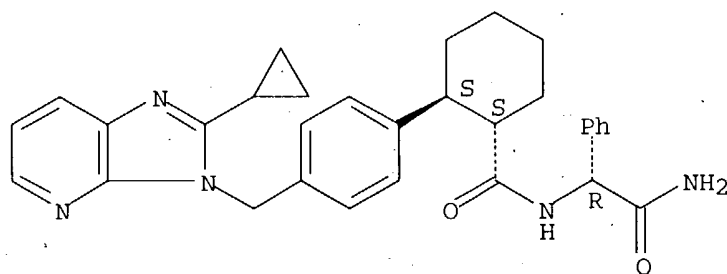




RN 158189-62-9 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(2-cyclopropyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1 $\alpha$ (S\*),2 $\beta$ ]- (9CI) (CA INDEX NAME)

Relative stereochemistry.



GI For diagram(s), see printed CA Issue.

AB The title compds., [(imidazolylmethyl)phenyl]cyclohexanecarboxylate derivs. and [(pyrrolylmethyl)phenyl]cyclohexanecarboxylate derivs. I (A = H, aryl, etc.; B, D = substituent; BD = fused ring fragment; E = nitrogen, methine; L = H, halo, nitro, etc.; T = carboxy or amide function) were disclosed as agents for the treatment of arterial hypertonia and atherosclerosis. I are antihypertensives (angiotensin II antagonists). An example compound, the [(imidazo[4,5-b]pyridinylmethyl)phenyl]cyclohexanecarboxylate II was prepared

=> log y

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
44.56	200.19

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-6.24	-6.24

CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 12:55:17 ON 28 APR 2004

AB Title compds., e.g. I, were prepared for use in treating ischemic brain **diseases** in humans or animals. Thus I [X = N, X1 = O (II)] was prepared in six steps, starting from 2,3-diaminopyridine, glycolic acid, (1R,2R)-2-(4-bromomethylphenyl)cyclohexane-1-carboxylic acid tert-Bu ester (preparation given), and (S)-phenylglycinamide hydrochloride. Similarly prepared was I [X = C, X1 = N(Me) (III)]. In in vivo (binding of calf cortex adenosine transport protein) compds. II and III had  $K_i = 2$  nM. In in vitro tests of rat brain reperfusion injury, II and III were effective at 0.001 mg/kg, reducing infarct volume 81-91% of control.

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1997:397335 CAPLUS

DN 127:17433

TI Cyclopentyl tachykinin receptor antagonists

IN Finke, Paul E.; Maccoss, Malcom; Meurer, Laura C.; Mills, Sander G.; Caldwell, Charles G.; Chen, Ping; Durette, Philippe L.; Hale, Jeffery; Holson, Edward; Kopka, Ihor; Robichaud, Albert

PA Merck and Co., Inc., USA; Finke, Paul E.; Maccoss, Malcolm; Meurer, Laura C.; Mills, Sander G.; Caldwell, Charles G.; Chen, Ping; Durette, Philippe L.; Hale, Jeffery; et al.

SO PCT Int. Appl., 343 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9714671	A1	19970424	WO 1996-US16489	19961015
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
AU 9710497	A1	19970507	AU 1997-10497	19961015
AU 722883	B2	20000810		
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
			WO 1996-US16489W	19961015
EP 858444	A1	19980819	EP 1996-941315	19961015
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI			
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
			WO 1996-US16489W	19961015
JP 2002534955	T2	20021015	JP 1997-515929	19961015
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
			WO 1996-US16489W	19961015

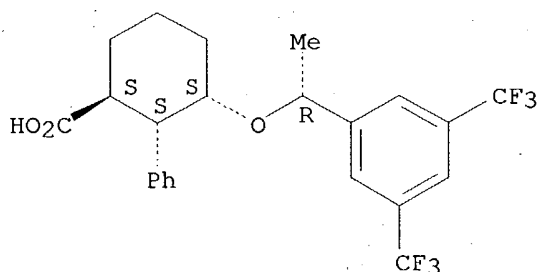
# PATENT FAMILY INFORMATION:

FAN 1997:381012

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

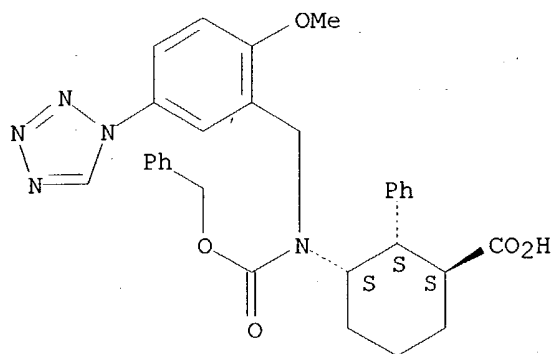
PI WO 9715305 A1 19970501 WO 1996-US16871 19961022  
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU,  
IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX,  
NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN,  
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,  
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,  
MR, NE, SN, TD, TG  
US 1995-5869P P 19951026  
GB 1996-2853 A 19960213  
AU 9674637 A1 19970515 AU 1996-74637 19961022  
US 1995-5869P P 19951026  
GB 1996-2853 A 19960213  
WO 1996-US16871W 19961022  
US 5932559 A 19990803 US 1998-51948 19980423  
GB 1996-2853 A 19960213  
WO 1996-US16871W 19961022  
OS MARPAT 127:17433  
IT **190271-06-8P 190271-24-0P 190271-33-1P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(intermediate; preparation of cyclopentyl derivs. as tachykinin receptor  
antagonists)  
RN 190271-06-8 CAPLUS  
CN Cyclohexanecarboxylic acid, 3-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]etho  
xy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 190271-24-0 CAPLUS  
CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-  
yl)phenyl]methyl][(phenylmethoxy)carbonyl]amino]-2-phenyl-, (1S,2S,3S)-  
(9CI) (CA INDEX NAME)

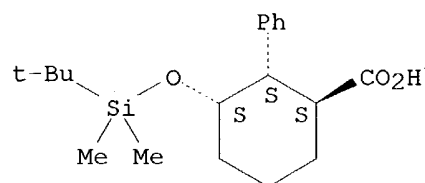
Absolute stereochemistry.



RN 190271-33-1 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methoxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



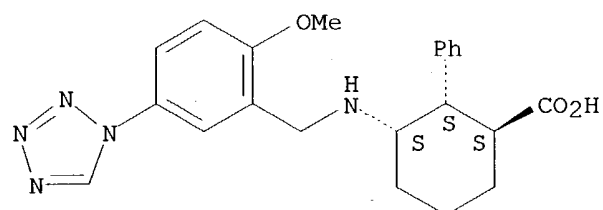
IT 190269-13-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of cyclopentyl derivs. as tachykinin receptor antagonists)

RN 190269-13-7 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methoxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI

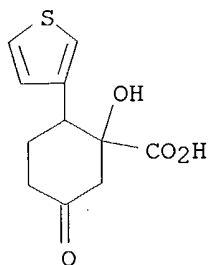
etc.; Z1 = bond or (O- or S-interrupted, -initiated, or -terminated) alkylene] were prepared. Thus, Me 3-oxo-6-phenyl-1-cyclohexenecarboxylate was treated with a lipase and the product levorotatory ester cyclocondensed with PhCH<sub>2</sub>N(CH<sub>2</sub>OBu)CH<sub>2</sub>SiMe<sub>3</sub> to give (-)-(3aRS,4RS,7aSR)-2-benzyl-7-oxo-4-phenylperhydroisoindole-3a-carboxylic acid Me ester which was condensed with 4-MeC<sub>6</sub>H<sub>4</sub>MgBr and the product cyclized to give, in 3 addnl. steps., title compound (-)-(3aRS,4SR,9SR,9aRS)-II.

L5 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:460422 CAPLUS  
 DN 131:102272  
 TI Preparation of ethanoisoindoles as farnesyl transferase inhibitors  
 IN Dereu, Norbert; Mailliet, Patrick; Sounigo-Thompson, Fabienne  
 PA Rhone-Poulenc Rorer S.A., Fr.  
 SO PCT Int. Appl., 106 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA French  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9933834	A1	19990708	WO 1998-FR2804	19981221
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				FR 1997-16335	A 19971223
				US 1998-73800P	P 19980205
	FR 2772764	A1	19990625	FR 1997-16335	19971223
	FR 2772764	B1	20000114		
	CA 2315144	AA	19990708	CA 1998-2315144	19981221
				FR 1997-16335	A 19971223
				US 1998-73800P	P 19980205
				WO 1998-FR2804	W 19981221
AU	9917675	A1	19990719	AU 1999-17675	19981221
				FR 1997-16335	A 19971223
				US 1998-73800P	P 19980205
				WO 1998-FR2804	W 19981221
EP	1042329	A1	20001011	EP 1998-962528	19981221
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				FR 1997-16335	A 19971223
				US 1998-73800P	P 19980205
				WO 1998-FR2804	W 19981221
JP	2001527078	T2	20011225	JP 2000-526514	19981221
				FR 1997-16335	A 19971223
				US 1998-73800P	P 19980205
				WO 1998-FR2804	W 19981221
ZA	9811787	A	19990629	ZA 1998-11787	19981222
				FR 1997-16335	A 19971223
OS	MARPAT 131:102272				
IT	<b>230306-92-0P 230307-11-6P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(preparation of ethanoisoindoles as farnesyl transferase inhibitors)				

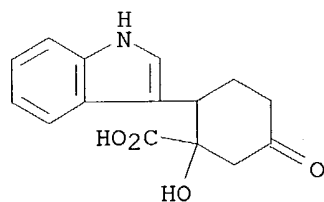
RN 230306-92-0 CAPLUS

CN Cyclohexanecarboxylic acid, 1-hydroxy-5-oxo-2-(3-thienyl)- (9CI) (CA INDEX NAME)

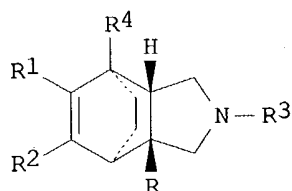


RN 230307-11-6 CAPLUS

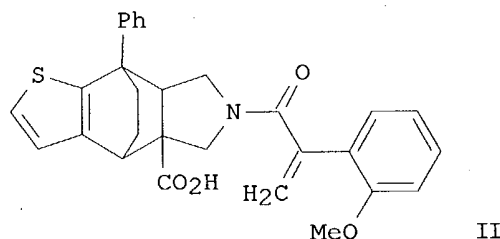
CN Cyclohexanecarboxylic acid, 1-hydroxy-2-(1H-indol-3-yl)-5-oxo- (9CI) (CA INDEX NAME)



GI



I



II

AB Title compds. [I; R = CO<sub>2</sub>H, alkoxycarbonyl, (di)alkylcarbamoyl, etc.; R<sub>1</sub>R<sub>2</sub> = atoms to complete a heterocyclic or heteroarom. ring; R<sub>3</sub> = CO<sub>2</sub>R<sub>5</sub>; R<sub>4</sub> = (un)substituted (hetero)aryl; R<sub>5</sub> = (un)substituted Ph; Z = CH<sub>2</sub>, alkenylidene, cycloalkylidene] were prepared. Thus, Me 6-(2-thienyl)-3-oxocyclohexene-1-carboxylate (preparation given) was cyclocondensed with BuOCH<sub>2</sub>N(CH<sub>2</sub>SiMe<sub>3</sub>)CH<sub>2</sub>Ph and the product condensed with PhMgBr to give, after cyclization, deprotection, amidation, and saponification steps, title compound

(3aRS,4SR,8SR,8aRS)-II. Data for biol. activity of I were given.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:485041 CAPLUS  
 DN 129:122567  
 TI Preparation of ethanobenzoisindole derivatives as farnesyl transferase inhibitors  
 IN Bourzat, Jean-Dominique; Commercon, Alain; Dereu, Norbert; Mailliet, Patrick; Sounigo-Thompson, Fabienne; Martin, Jean-Paul; Capet, Marc; Cheve, Michel  
 PA Rhone-Poulenc Rorer S.A., Fr.  
 SO PCT Int. Appl., 260 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA French  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9829390	A1	19980709	WO 1997-FR2407	19971223
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GH, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				FR 1996-16206	A 19961230
	FR 2757855	A1	19980703	FR 1996-16206	19961230
	FR 2757855	B1	19990129		
	AU 9856694	A1	19980731	AU 1998-56694	19971223
	AU 741921	B2	20011213		
				FR 1996-16206	A 19961230
				WO 1997-FR2407	W 19971223
	EP 948483	A1	19991013	EP 1997-953000	19971223
	EP 948483	B1	20020313		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI, RO				
				FR 1996-16206	A 19961230
				WO 1997-FR2407	W 19971223
	CN 1242000	A	20000119	CN 1997-180944	19971223
				FR 1996-16206	A 19961230
	BR 9714498	A	20000321	BR 1997-14498	19971223
				FR 1996-16206	A 19961230
				WO 1997-FR2407	W 19971223
	NZ 336042	A	20001222	NZ 1997-336042	19971223
				FR 1996-16206	A 19961230
				WO 1997-FR2407	W 19971223
	JP 2001509147	T2	20010710	JP 1998-529686	19971223
				FR 1996-16206	A 19961230
				WO 1997-FR2407	W 19971223
	AT 214367	E	20020315	AT 1997-953000	19971223
				FR 1996-16206	A 19961230
				WO 1997-FR2407	W 19971223
	PT 948483	T	20020830	PT 1997-97953000	19971223
				FR 1996-16206	A 19961230
	ES 2172033	T3	20020916	ES 1997-953000	19971223
				FR 1996-16206	A 19961230
	US 6013662	A	20000111	US 1997-999408	19971229
				FR 1996-16206	A 19961230

ZA 9711734 A 19980625  
 NO 9903225 A 19990824  
 US 6124465 A 20000926  
 US 6218406 B1 20010417

ZA 1997-11734 19971230  
 FR 1996-16206 A 19961230  
 NO 1999-3225 19990629  
 FR 1996-16206 A 19961230  
 WO 1997-FR2407 W 19971223  
 US 1999-346540 19990702  
 US 1997-66884P P 19971125  
 US 1997-999408 A319971229  
 US 1999-346303 19990702  
 FR 1996-16206 A 19961230  
 US 1997-66884P P 19971125  
 US 1997-999408 A319971229

OS MARPAT 129:122567

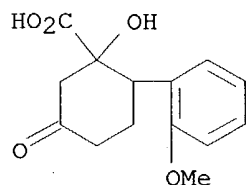
IT **210284-97-2P 210285-06-6P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(intermediate; preparation of ethanobenzoisindole derivs. as farnesyl  
 transferase inhibitors)

RN 210284-97-2 CAPLUS

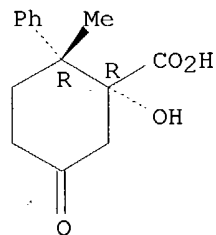
CN Cyclohexanecarboxylic acid, 1-hydroxy-2-(2-methoxyphenyl)-5-oxo- (9CI)  
 (CA INDEX NAME)



RN 210285-06-6 CAPLUS

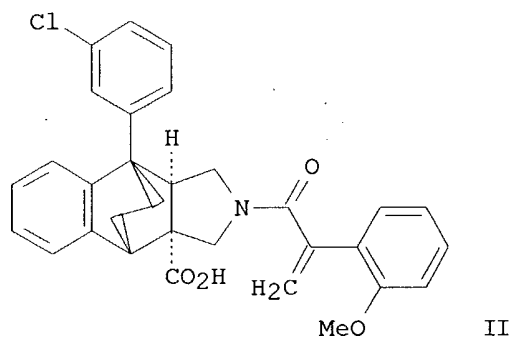
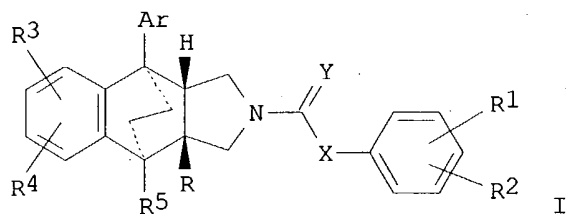
CN Cyclohexanecarboxylic acid, 1-hydroxy-2-methyl-5-oxo-2-phenyl-,  
 (1R,2R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



GI





AB    Approx. 100 title compds. I were prepared and tested [wherein Ar = substituted or condensed Ph radical, or polycyclic or heterocyclic aromatic radical; R = radical of general formula (CH<sub>2</sub>)<sub>m</sub>X<sub>1</sub>(CH<sub>2</sub>)<sub>n</sub>Z in which X<sub>1</sub> = bond, O, S; m = 0, 1; n = 0, 1, 2; the CH<sub>2</sub> radicals can be substituted; Z = CO<sub>2</sub>H, COOR<sub>6</sub> (R<sub>6</sub> = alkyl), CONR<sub>7</sub>R<sub>8</sub> [R<sub>7</sub> = H or alkyl, and R<sub>8</sub> = H, OH, arylsulfonyl, heterocyclyl, (un)substituted amino, alkoxy, alkyl, PO(OR<sub>9</sub>)<sub>2</sub> (R<sub>9</sub> = H or alkyl), NHCOT [T = H or (un)substituted alkyl], or pyridiniummethyl]; R<sub>1</sub>, R<sub>2</sub> = H, halo, alkyl, (un)substituted alkoxy, alkylthio, alkoxy carbonyl; or ortho R<sub>1</sub> and R<sub>2</sub> may form (un)substituted heterocycle with 1 or 2 heteroatoms; R<sub>3</sub>, R<sub>4</sub> = H, halo, alkyl, alkylene, alkoxy, alkylthio, carboxy, or alkoxy carbonyl; R<sub>5</sub> = H, alkyl, alkylthio; X = O, S, NH, CO, CH<sub>2</sub>, vinyl diyl, alkene-1,1-diyl, or cycloalkane-1,1-diyl; Y = O or S], including racemates, optical isomers, and salts. The compds. are inhibitors of farnesyl transferase which show remarkable tumoricidal and anti-leukemic properties. For instance, (3aRS,4SR,7aRS)-Me 2-benzyl-7-oxo-4-phenyloctahydroisoindole-3a-carboxylate underwent a sequence of: (1) Grignard reaction with 3-ClC<sub>6</sub>H<sub>4</sub>Br, (2) alkylative cyclization of the resulting alc. in the presence of CF<sub>3</sub>SO<sub>3</sub>H, (3) N-debenzylation using vinyl chloroformate, (4) acidic removal of the residual N-vinyloxycarbonyl group, (5) N-acylation using 2-MeOC<sub>6</sub>H<sub>4</sub>C(:CH<sub>2</sub>)CO<sub>2</sub>H, and (6) alkaline hydrolysis of the Me ester, to give title compound II. In an in vitro assay for farnesylation of a K-ras substrate, II inhibited farnesyl transferase with an IC<sub>50</sub> of 0.005 μM.

RE.CNT 2    THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5    ANSWER 5 OF 11    CAPLUS    COPYRIGHT 2004 ACS on STN

AN    1998:306975    CAPLUS

DN    129:15967

TI    Preparation of arylcycloalkanes as tachykinin receptor antagonists.

IN    Caldwell, Charles G.; Chen, Ping; Durette, Philippe L.; Finke, Paul; Hale, Jeffrey; Holson, Edward; Kopka, Thor; Maccoss, Malcolm; Meurer, Laura;

Mills, Sander G.; Robichaud, Albert  
 PA Merck and Co., Inc., USA  
 SO U.S., 109 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5750549	A	19980512	US 1996-730277	19961015
				US 1996-730277	19961015

OS MARPAT 129:15967

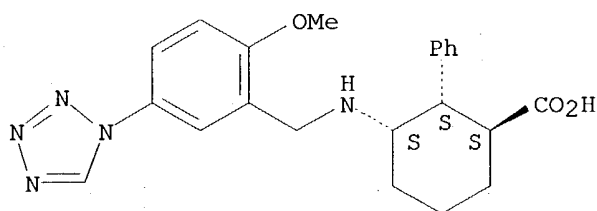
IT **190269-13-7P 190271-06-8P 190271-24-0P**  
**190271-33-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of arylcycloalkanes as tachykinin receptor antagonists)

RN 190269-13-7 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methyl]amino]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

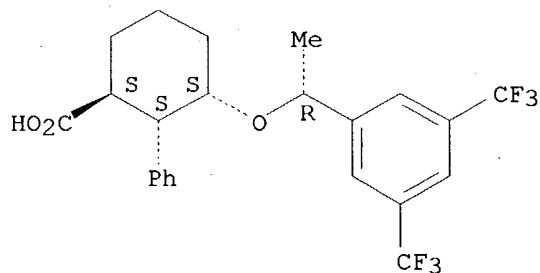
Absolute stereochemistry.



RN 190271-06-8 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

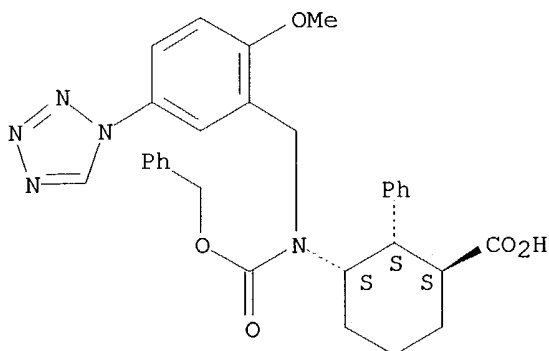
Absolute stereochemistry.



RN 190271-24-0 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methyl][(phenylmethoxy)carbonyl]amino]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

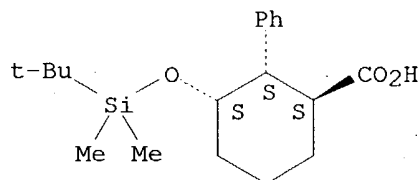
Absolute stereochemistry.



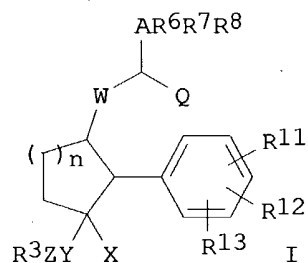
RN 190271-33-1 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



AB Title compds. [I; R3 = H, alkoxy, phenylalkoxy, Ph, cyano, halo, amino, (substituted) alkyl, null; R6-R8 = H, alkoxy, halo, (substituted) alkyl, OH, cyano, CF3, NO2, heterocyclyl, etc.; R11-R13 = H, (substituted) alkyl, halo, cyano, CF3, NO2, OH, alkoxy, etc.; A = Ph, benzofuranyl, benzothiophenyl, benzothiazoyl, indolyl, imidazolyl, oxadiazolyl, pyridyl, pyrimidyl, quinolinyl, thiazolyl, thienyl, thiophenyl, dihydrobenzofuranyl; Q = H, alkyl; W = O, NH, alkylimino, NHCO, alkyliminocarbonyl; X = H, alkyl; Y = bond, (substituted) alkyl; Z = NR15, CONR15, SO2NR15, SO2, CO2R15, CH2OR15, null; R15 = H, (substituted) alkyl; n = 1-3; with provisos], were prepared Thus, Me 3(SR)-hydroxy-2(RS)-phenylcyclopentane-1(RS)-carboxylate (preparation given) was treated with 3,5-bis(trifluoromethyl)benzyl bromide and NaH in DMF to give Me

3(SR)-[3,5-bis(trifluoromethyl)phenylmethoxy]-2(RS)-phenylcyclopentane-1(RS)-carboxylate. I showed intrinsic tachykinin receptor antagonist activity in the range 0.05-10  $\mu$ M.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:397335 CAPLUS  
DN 127:17433  
TI Cyclopentyl tachykinin receptor antagonists  
IN Finke, Paul E.; Maccoss, Malcom; Meurer, Laura C.; Mills, Sander G.; Caldwell, Charles G.; Chen, Ping; Durette, Philippe L.; Hale, Jeffery; Holson, Edward; Kopka, Ihor; Robichaud, Albert  
PA Merck and Co., Inc., USA; Finke, Paul E.; Maccoss, Malcolm; Meurer, Laura C.; Mills, Sander G.; Caldwell, Charles G.; Chen, Ping; Durette, Philippe L.; Hale, Jeffery; et al.  
SO PCT Int. Appl., 343 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714671	A1	19970424	WO 1996-US16489	19961015
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
AU 9710497	A1	19970507	AU 1997-10497	19961015
AU 722883	B2	20000810		
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
			WO 1996-US16489W	19961015
EP 858444	A1	19980819	EP 1996-941315	19961015
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI			
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
			WO 1996-US16489W	19961015
JP 2002534955	T2	20021015	JP 1997-515929	19961015
			US 1995-5558P	P 19951018
			GB 1996-2853	A 19960213
			WO 1996-US16489W	19961015

## PATENT FAMILY INFORMATION:

FAN 1997:381012

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9715305	A1	19970501	WO 1996-US16871	19961022
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,			

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,  
MR, NE, SN, TD, TG

AU 9674637	A1	19970515	US 1995-5869P	P 19951026
			GB 1996-2853	A 19960213
			AU 1996-74637	19961022
			US 1995-5869P	P 19951026
			GB 1996-2853	A 19960213
			WO 1996-US16871W	19961022
US 5932559	A	19990803	US 1998-51948	19980423
			GB 1996-2853	A 19960213
			WO 1996-US16871W	19961022

OS MARPAT 127:17433

IT **190271-06-8P 190271-24-0P 190271-33-1P**

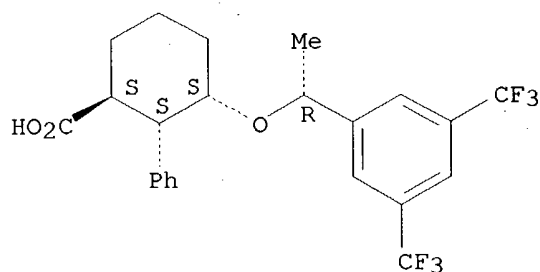
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(intermediate; preparation of cyclopentyl derivs. as tachykinin receptor  
antagonists)

RN 190271-06-8 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

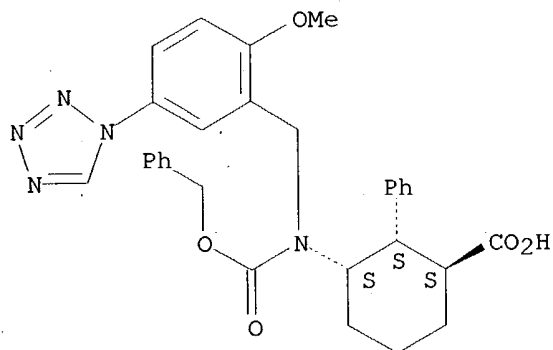
Absolute stereochemistry.



RN 190271-24-0 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methyl][(phenylmethoxy)carbonyl]amino]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

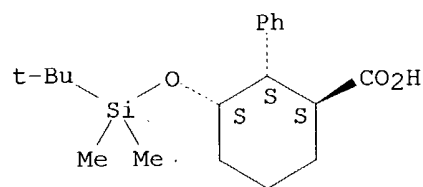
Absolute stereochemistry.



RN 190271-33-1 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



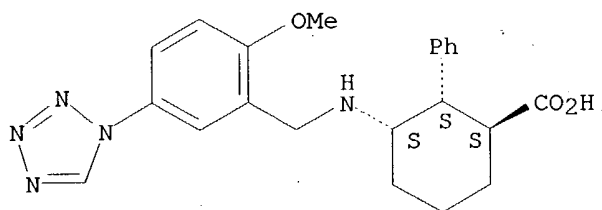
IT 190269-13-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of cyclopentyl derivs. as tachykinin receptor antagonists)

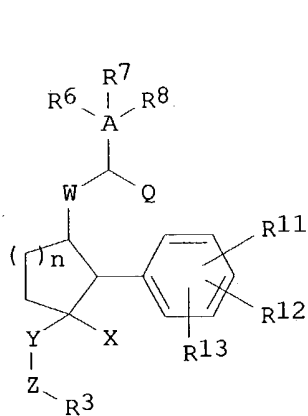
RN 190269-13-7 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methyl]amino]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

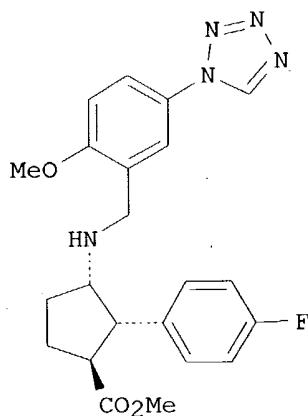
Absolute stereochemistry.



GI



I



II

AB The invention is directed to certain novel compds. I and their pharmaceutically acceptable salts [wherein R3 = H, OH, alkoxy, Ph, cyano, halo, (un)substituted NH2, heterocyclyl, etc.; R6, R7, R8 = H, alkoxy, halo, (un)substituted alkyl, OH, cyano, CF3, etc.; R11, R12, R13 = H, (un)substituted alkyl, halo, cyano, CF3, etc.; A = benzene or various heterocycles; Q = H, alkyl; W = O, NH, alkylimino, NHCO, alkyliminocarbonyl; X = H, alkyl; Y = bond, (un)substituted alkyl; Z = (un)substituted NH, CONH, NHCO, SO2NH, NHSO2, SO2, CO2H, etc.; n = 1, 2, 3]. The invention is also concerned with pharmaceutical formulations comprising I as active ingredients, and use of I and their formulations in the treatment of certain disorders. I are tachykinin receptor antagonists (no data) and are useful in the treatment of inflammatory diseases, pain, migraine, asthma, and emesis. For instance, reductive alkylation of the appropriate amine with 2-methoxy-5-(1-tetrazolyl)benzaldehyde, by treatment with AcOH and 3A sieves in MeOH followed by NaBH3CN, gave title compound II.

L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1989:457465 CAPLUS

DN 111:57465

TI Highly selective  $\kappa$ -opioid analgesics. 2. Synthesis and structure activity relationships of novel N-(2-aminocyclohexyl)arylacetamide derivatives

AU Halfpenny, Paul R.; Hill, Raymond G.; Horwell, David C.; Hughes, John; Hunter, John C.; Johnson, Stephen; Rees, David C.

CS Parke-Davis Res. Unit, Addenbrookes Hosp., Cambridge, CB2 2QB, UK

SO Journal of Medicinal Chemistry (1989), 32(7), 1620-6

CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

OS CASREACT 111:57465

IT 121212-14-4P

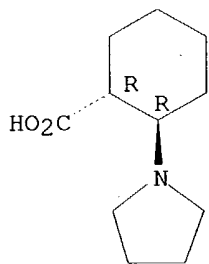
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with benzofuranmethanamine)

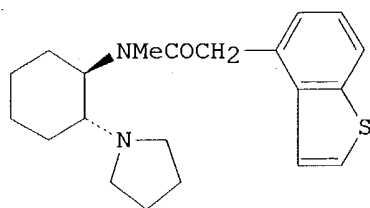
RN 121212-14-4 CAPLUS

CN Cyclohexanecarboxylic acid, 2-(1-pyrrolidinyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



GI



I

AB The structure-activity relationships of the title compds. were investigated by consideration of structural modifications made to the aromatic moiety, the amide and the other ring substituents of the  $\kappa$ -selective agonist trans-N-methyl-N-[2-(1-pyrrolidinyl)cyclohexyl]benzo[b]thiophene-4-acetamide (I). The  $\kappa$  and  $\mu$  opioid receptor binding affinities of 23 novel compds. are reported. Optimal  $\mu/\kappa$  receptor selectivity is obtained with a benzo[b]thiophene system attached via the C-4 position, which is discussed in terms of steric and electronic parameters. The amide linkage was replaced with the reversed amide, an ester, an aminomethylene, a thioamide, and a secondary amide. The best of these isosteres is the N-methylamide. Substitution of the pyrrolidine ring in the 3-position with a CH<sub>2</sub>OH group increases the  $\mu/\kappa$  selectivity. trans-(±)-N-Methyl-N-[4,5-dimethoxy-2-(1-pyrrolidinyl)cyclohexyl]benzo[b]thiophene-4-acetamide has high in vitro  $\kappa$  opioid receptor affinity ( $K_1$  = 16 nM) and equipotent analgesic activity to morphine i.v. in rats.

L5 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1988:5676 CAPLUS

DN 108:5676

TI Syntheses of cyclopentene annulated and heterocyclic PAHs (polycyclic aromatic hydrocarbons)

AU Lee-Ruff, Edward; Kruk, Henry; Chung, Ying Shen; Halliday, Jennifer; Kazarians-Moghaddam, Hira; Maleki, Mehran; Katz, Morris

CS Dep. Chem., York Univ., Toronto, ON, M3J 1P3, Can.

SO Polynucl. Aromat. Hydrocarbons: Chem., Charact. Carcinog., Int. Symp., 9th (1986), Meeting Date 1984, 489-94. Editor(s): Cooke, Marcus; Dennis, Anthony J. Publisher: Battelle Press, Columbus, Ohio.

CODEN: 55SUAC

DT Conference

LA English

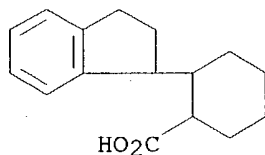
IT 107010-14-0P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and Friedel-Crafts cyclization of, with hydrogen fluoride)

RN 107010-14-0 CAPLUS

CN Cyclohexanecarboxylic acid, 2-(2,3-dihydro-1H-inden-1-yl)- (9CI) (CA INDEX NAME)





AB Cyclopentene annulated and heterocyclic PAHs were prepared by two general routes. Cycloaddn. of aryl ketenes with cyclohexadiene, dihydrofuran, and dihydrothiophene gave spirocyclobutanone derivs. These strained intermediates underwent selective acid or base ring opening reactions, which upon further structural elaboration, gave PAHs with cyclopentene, furan, or **thiophene** rings. Electrocyclization of diaryl(carbomethoxy) carbocations gave fluorene derived PAHs.

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1976:164551 CAPLUS

DN 84:164551

TI Synthesis of the three isomeric ortho-substituted phenylthienyl benzoic acids

AU Johnson, Alexander L.

CS Exp. Stn., E. I. du Pont de Nemours and Co., Wilmington, DE, USA

SO Journal of Organic Chemistry (1976), 41(8), 1320-4

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 84:164551

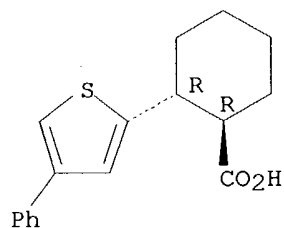
IT **58268-02-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

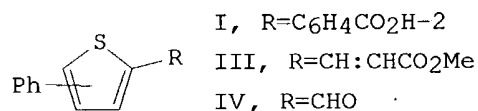
RN 58268-02-3 CAPLUS

CN Cyclohexanecarboxylic acid, 2-(4-phenyl-2-thienyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



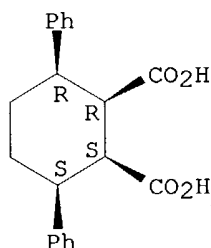
GI



AB 2-(3-Phenyl-2-thienyl)benzoic acid (I; Ph in 3-position) (II) was prepared via the Ullmann reaction of 2-iodo-3-phenylthiophene with 2-IC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>Me. The two isomers of II were prepared by Diels-Alder reaction of the resp. acrylates III (prepared by Knoevenagel reaction of the aldehydes IV with malonic acid) with butadiene, followed by dehydrogenation of the resulting carbomethoxycyclohexene derivs. with 2,3-dichloro-4,5-dicyanobenzoquinone and Saponification

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1968:486735 CAPLUS  
 DN 69:86735  
 TI Acetylcholine. XII. 3,4-Diphenylthiophene-2,5-dicarboxylic acid bis  
 [(β-diethylamino)ethyl ester methiodide], a curarelike  
 muscle-relaxant ester  
 AU Dann, O.; Bamberg, K. J.; Sucker, H.  
 CS Univ. Erlangen-Nuernberg, Erlangen-Nuernberg, Fed. Rep. Ger.  
 SO Pharmazie (1968), 23(3), 135-45  
 CODEN: PHARAT; ISSN: 0031-7144  
 DT Journal  
 LA German  
 IT **19950-50-6P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 19950-50-6 CAPLUS  
 CN 1,2-Cyclohexanedicarboxylic acid, 3,6-diphenyl-, all-cis- (8CI) (CA INDEX  
 NAME)

Relative stereochemistry.



GI For diagram(s), see printed CA Issue.  
 AB The muscle-relaxing properties of quaternized amino alc. esters of  
 3,4-diphenyl- (I), 3,4-dimethyl- (II), 3,4-di(2-furyl)- (III), and  
 3,4-bis(5-nitro-2-furyl)thiophene-2,5-dicarboxylic acid (IV);  
 phenanthreno[9,10-c]thiophene-1,3-dicarboxylic acid (V); and  
 2,3-diphenylbenzene-1,4- (VI), 3,6-diphenylbenzene-1,2- (VII), and  
 2,5-diphenylfuran-3,4-dicarboxylic acid (VIII) were determined I (10 g.) was  
 boiled with 300 ml. SOCl<sub>2</sub> and worked up to give 8.1 g. I dichloride (IX),  
 m. 123-4°. Similarly prepared were 37% II dichloride (X), m.  
 67-73°; III dichloride (XI), 91%, m. 90.5-1.5° (ligroine);  
 IV dichloride, m. 92.5-95° (C<sub>6</sub>H<sub>6</sub>); V dichloride (XII), 37%, m.  
 193-4° (C<sub>6</sub>H<sub>6</sub>); and VI dichloride (XIII), 80%, m. 153.5-56°  
 (decomposition) (ligroine). VIII (5.5 g.) was added in small portions with  
 stirring to an ice-cold suspension of 16 g. PCl<sub>5</sub> in 55 ml. Et<sub>2</sub>O, stirred  
 30 min., and worked up to give 4.8 g. VIII dichloride (XIV), m.  
 120-1° (twice from ligroine). Crude II in dioxane was treated with  
 CH<sub>2</sub>N<sub>2</sub> in Et<sub>2</sub>O, kept 3 hrs., and worked up to give 36% di-Me ester, m.  
 171.5-2.5° (also prepared by heating X and MeOH), which was refluxed  
 in methanolic KOH and worked up to give pure II, decompose 324-7°.  
 Similarly, III (at -5°), gave 90% di-Me ester, m. 129°  
 (twice from AcOH), which, at -5° in Ac<sub>2</sub>O, was nitrated with HNO<sub>3</sub>  
 (d. 1.52), stirred 1 hr., and worked up to give IV di-Me ester, m.  
 182-4°, which refluxed 2 min. in methanolic KOH and worked up gave  
 IV, m. 258° (decomposition). A suspension of 2 g. 1,4-dimethyl-2,3-  
 diphenylbenzene in 60 ml. C<sub>5</sub>H<sub>5</sub>N and 20 ml. H<sub>2</sub>O containing 25.3 g. KMnO<sub>4</sub> was

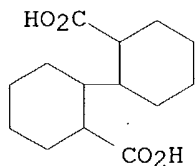
refluxed 2 hrs. and worked up to give 2.2 g. VI, m. 308-11°. IX (15.6 g.) and 25.2 g.  $\beta$ -diethylaminoethanol (DEAE) was refluxed 6 hrs. in 500 ml. dry C<sub>6</sub>H<sub>6</sub> and worked up to give 14.8 g. I bis( $\beta$ -diethylaminoethyl ester), m. 76.5-77° (ligroine); dipicrate m. 175.5-77° (1:1 Me<sub>2</sub>CO-H<sub>2</sub>O); di-HBr salt m. 185.5-6.5° (Me<sub>2</sub>CO-iso-PrOH); dimethiodide m. 212-13° (decomposition); bis(benzyl bromide) decomposed 191°, m. 240-7° (EtOH-EtOAc). The following were prepared II bis( $\beta$ -diethylaminoethyl ester), 70% [di-HBr salt m. 212.5-14° (decomposition); dimethiodide m. 202.5-2.5° (decomposition)]; III bis( $\beta$ -diethylaminoethyl ester), 61%, n<sub>22</sub>D 1.459, by shaking XI and DEAE in C<sub>6</sub>H<sub>6</sub> 66 hrs. at room temperature and working up [di-HBr salt, m. 179.5-81° (decomposition); dimethiodide m. 177.5-79° (decomposition)]; IV bis( $\beta$ -diethylaminoethyl ester), 47%, m. 42-7° (dimethiodide m. 192-5°); VI bis( $\beta$ -diethylaminoethyl ester), 62%, n<sub>22</sub>D 1.540 [di-HBr salt m. 185.5-7.5° (EtOAc:EtOH); dimethiodide, m. 234-5° (decomposition)]; VIII bis( $\beta$ -diethylaminoethyl ester), 74% [di-HBr salt m. 180-1° (3:1 Me<sub>2</sub>CO-EtOH); dimethiodide m. 185.5-87° (decomposition)]; I bis( $\beta$ -dimethylaminoethyl ester) 65%, m. 69-79° (ligroine) [dimethiodide decomposed 225-50° (EtOH)]; and V bis( $\beta$ -diethylaminoethyl ester), 90%, [di-HCl salt, decompose 211-12.5°; dimethiodide m. 215-16° (decomposition)]. XII (1.25 g.) and 1.1 g. MeOH refluxed in 5 ml. C<sub>6</sub>H<sub>6</sub> and cooled precipitated 0.85 g. V di-Me ester, m. 118-19°. DEAE (4.7 g.) in 50 ml. Me<sub>2</sub>CO was added to 12 g. VII anhydride suspended in 250 ml. dry refluxing Me<sub>2</sub>CO, and the mixture refluxed 20 min. to precipitate 14.6 g. of the half ester, m. 205-22°, difficulty soluble in 2N NaOH and 2N HCl. This intermediate (8.35 g.) and 5.4 g.  $\beta$ -diethylaminoethyl chloride was refluxed 6.5 hrs. in 160 ml. dry iso-PrOH and worked up to give 7.3 g. VII bis( $\beta$ -diethylaminoethyl ester), m. 99-100° (ligroine and petroleum ether); di-HBr salt m. 193-5°; dimethiodide m. 206.5-7.5° (decomposition). The anhydride (5 g.) of cis, cis, cis, cis-3,6-diphenyl-1,2,3,6-tetrahydrobenzene-1,2-dicarboxylic acid in 80 ml. HCONMe<sub>2</sub> was hydrogenated at atmospheric pressure and room temperature over

Pd(OH)2

on BaSO<sub>4</sub> and worked up to give 3.3 g. anhydride of cis, cis, cis, cis-3,6-diphenylcyclohexane-1,2-dicarboxylic acid, m. 220-2° (EtOAc). A solution of 4.8 g. 2,7-diaminodiphenylene sulfone and 14 g. di-Et diacetylsuccinate in 20 ml. AcOH was refluxed 45 min. and cooled to precipitate 12.5 g. XV, m. 251-3° (BuOH:AcOH), saponified to the free acid by methanolic KOH. A mixture of 1.28 g. 2,2'-dihydroxy-5,5'-dimethyldeoxybenzoin in 2N NaOH and 1 g. ClCH<sub>2</sub>CO<sub>2</sub>H solution neutralized with K<sub>2</sub>CO<sub>3</sub> was refluxed 3 hrs. and worked up to give 2-hydroxy-2'-carboxymethoxy-5,5'-dimethyldeoxybenzoin, m. 159-61° (60% EtOH), and 2,2'-dicarboxymethoxy-5,5'-dimethyldeoxybenzoin, m. 172-4° (60% AcOH and 60% EtOH). Extensive biol. data are given.

L5 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1946:11414 CAPLUS  
 DN 40:11414  
 OREF 40:2139c-i,2140a-c  
 TI Synthesis of trans-anti-trans-9-ketoperhydrophenanthrene  
 AU Bhattacharyya, Bidyut Kamal  
 CS Univ. Coll. of Sci. and Technol., Calcutta, India  
 SO J. Indian Chem. Soc. (1945), 22, 85-90  
 DT Journal  
 LA Unavailable

IT 6715-08-8, Diphenic acid, dodecahydro-  
(preparation of)  
RN 6715-08-8 CAPLUS  
CN [1,1'-Bicyclohexyl]-2,2'-dicarboxylic acid (9CI) (CA INDEX NAME)



AB A method is described for the synthesis of the perhydrophenanthrene ring that has the same stereochem. configuration as the cholane system occurring in nature. A cold solution of 210 g. of cyclohexanone cyanohydrin in 272 g. of C<sub>5</sub>H<sub>5</sub>N with 130 cc. of SOCl<sub>2</sub> gave 167 g. of 1-cyanocyclohexene (I), 13.6 g. of which upon refluxing for 36 hrs. with 25 cc. of "rectified spirit" and 4.3 cc. of concentrated H<sub>2</sub>SO<sub>4</sub> gave 13 g. of Et 1-cyclohexene-1-carboxylate (II). II was also obtained by the stepwise hydrolysis and esterification of I. A mixture of 181 g. of II, 168 cc. of NCCH<sub>2</sub>CO<sub>2</sub>Et, 370 cc. of EtOH, and EtONa (from 30.2 g. of Na) heated on the water bath for 30 hrs., diluted with iced dilute HCl, extracted with Et<sub>2</sub>O, washed with NaHCO<sub>3</sub> solution, dried, and distilled gave 228 g. of Et 2-carbethoxy- $\alpha$ -cyanocyclohexaneacetate (III). Et  $\delta$ -iodovalerate (56 g.) added to the K derivative of III (from 70 g. of III, 9 g. of K, and 150 cc. of xylene), left overnight, heated on the water bath for 12 hrs., heated at 110° for 12 hrs., refluxed in an oil bath for 12 hrs., washed 3 times with H<sub>2</sub>O, dried, and distilled gave 56 g. of di-Et  $\alpha$ -cyano- $\alpha$ -(2-carbethoxycyclohexyl)pimelate (IV), b<sub>0.4</sub> 179-82°. IV was obtained similarly also from Et  $\delta$ -bromovalerate, 50 g. of which had been obtained from 150 cc. of EtOH, 9 cc. of H<sub>2</sub>SO<sub>4</sub>, and 50 g. of Br(CH<sub>2</sub>)<sub>4</sub>CO<sub>2</sub>H. Refluxing of 56 g. of IV with 140 cc. of AcOH, 100 cc. of H<sub>2</sub>SO<sub>4</sub>, and 140 cc. of H<sub>2</sub>O for 36 hrs. gave upon dilution the crude acid, which after extraction with Et<sub>2</sub>O was refluxed for 40 hrs. with 200 cc. of EtOH and 28 cc. of H<sub>2</sub>SO<sub>4</sub> to give 42 g. of di-Et  $\alpha$ -(2-carbethoxycyclohexyl)pimelate (V), b<sub>4</sub> 190°. V (33 g.) in 160 cc. of C<sub>6</sub>H<sub>6</sub> was refluxed with 4 g. of Na dust until all the Na reacted, treated with iced dilute H<sub>2</sub>SO<sub>4</sub>, extracted with Et<sub>2</sub>O, washed with NaHCO<sub>3</sub>, dried, the Et<sub>2</sub>O and C<sub>6</sub>H<sub>6</sub> distilled off, the residue mixed with the oil obtained by acidification of the NaHCO<sub>3</sub> washing, refluxed for 30 hrs. with 20 cc. of AcOH, 100 cc. of concentrated HCl, and 10 cc. of H<sub>2</sub>O, the acid and H<sub>2</sub>O removed under reduced pressure, and the residue refluxed for 24 hrs. with 100 cc. EtOH and 10 cc. of H<sub>2</sub>SO<sub>4</sub> to give 2-(2-carbethoxycyclohexyl)cyclohexanone (VI), b<sub>4.5</sub> 151°. Refluxing VI with an excess of NH<sub>2</sub>OH.HCl, C<sub>5</sub>H<sub>5</sub>N, and EtOH gave the oxime, m. 138-40°. Unsuccessful attempts were made to prepare VI from EtOK and II, from Et potassiocyclohexanone-2-carboxylate and II, and from sodiocyclohexanone and II. VI (17 g.) was refluxed for 2 hrs. with a mixture of 150 cc. of **thiophene**-free C<sub>6</sub>H<sub>6</sub>, 5 g. of Zn, 8 cc. of BrCH<sub>2</sub>CO<sub>2</sub>Et (VII), and a crystal of iodine; 2 g. of Zn, another crystal of iodine, and 4 cc. of VII were added and the refluxing continued for 1 hr.; 2 g. of Zn and a crystal of iodine were added and the refluxing continued for 2 hrs.; the product was decomposed with iced dilute H<sub>2</sub>SO<sub>4</sub>, extracted with C<sub>6</sub>H<sub>6</sub>, washed with dilute NH<sub>3</sub> and H<sub>2</sub>O to give Et 2-(2-carbethoxycyclohexyl)-1-hydroxycyclohexaneacetate, b<sub>0.4</sub> 140-150°, which when left overnight with 100 cc. of Et<sub>2</sub>O, 20 cc. of

C5H5N, and 10 cc. of SOCl<sub>2</sub> and decomposed with iced dilute acid gave 5.8 g. of Et 2-(2-carbethoxycyclohexyl)-1-cyclohexene-1-acetate (VIII), b<sub>4</sub> 180°. VIII (5 g.) was refluxed for 2 hrs. with 5 g. of KOH in 50 cc. of MeOH and then for 7 hrs. with 5 g. of KOH in 5 cc. of H<sub>2</sub>O. The MeOH was removed and the residue extracted with Et<sub>2</sub>O, acidified with AcOH, and extracted with Et<sub>2</sub>O again. Evaporation of the 2nd extract gave a residue that when crystallized from AcOH with C and then from MeOH gave 3 g. of 2-(2-carboxycyclohexyl)-1-cyclohexene-1-acetic acid, m. 195-205° (decomposition), 2.8 g. of which upon hydrogenation in AcOH over 0.3 g. of Adams catalyst gave 2-(2-carboxycyclohexyl) cyclohexaneacetic acid (IX), crystallized from C<sub>6</sub>H<sub>6</sub>, m. 188-9°. IX (2.8 g.) in 200 cc. of Et<sub>2</sub>O was treated with CH<sub>2</sub>N<sub>2</sub> in Et<sub>2</sub>O, allowed to stand for 2 days, the excess CH<sub>2</sub>N<sub>2</sub> destroyed with AcOH, and the Et<sub>2</sub>O layer washed with NaHSO<sub>3</sub> solution, dried, and distilled to give 2.8 g. of Me 2-(2-carbomethoxycyclohexyl)cyclohexaneacetate, b<sub>3</sub> 153°, which when refluxed for 6 hrs. with 0.46 g. of Na dust and 40 cc. of benzene, worked up as before, hydrolyzed as before, and distilled gave 1.2 g. of 9-ketoperhydrophenanthrene (X), b<sub>4.5</sub> 133°. Refluxing 0.4 g. of X for 4 hrs. with 0.6 g. NH<sub>2</sub>OH.HCl, 1 cc. of C<sub>5</sub>H<sub>5</sub>N, and 2.5 cc. of EtOH, dilution, and crystallization of the precipitate from EtOH gave the oxime, m. 226-7°, which upon refluxing for 6 hrs. with 5% H<sub>2</sub>SO<sub>4</sub> regenerated X, m. 46-7.5°. Heating 0.7 g. of X with 3.2 cc. of a 1:3 mixture of concentrated and fuming HNO<sub>3</sub> for 45 min. on a steam bath, dilution, and crystallization from dilute AcOH gave perhydrodiphenic acid.

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FILE 'REGISTRY' ENTERED AT 13:04:22 ON 28 APR 2004

L1 STRUCTURE UPLOADED  
L2 434 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:04:56 ON 28 APR 2004

L3 307 S L2  
L4 94 S L3 AND PHENYL  
L5 11 S L3 AND THIOPHENE  
L6 5 S L3 AND DISEASES

=> d l3 and cardiovascular

'AND' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

'CARDIOVASCULAR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
APPS ----- AI, PRAI  
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CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data

FBIB ----- AN, BIB, plus Patent FAM  
 IND ----- Indexing data  
 IPC ----- International Patent Classifications  
 MAX ----- ALL, plus Patent FAM, RE  
 PATS ----- PI, SO  
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 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
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                   e.g., D SCAN or DISPLAY SCAN)  
 STD ----- BIB, IPC, and NCL  
  
 IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels  
  
 OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels  
  
 SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations  
  
 HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

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(FILE 'HOME' ENTERED AT 13:03:54 ON 28 APR 2004)

FILE 'REGISTRY' ENTERED AT 13:04:22 ON 28 APR 2004

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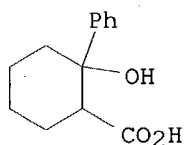
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L5 11 S L3 AND THIOPHENE  
L6 5 S L3 AND DISEASES

=> s 13 and cardiovascular

L7 11 L3 AND CARDIOVASCULAR

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L7 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:814621 CAPLUS  
DN 140:281158  
TI Design, Pharmacokinetic, and Pharmacodynamic Evaluation of a New Class of  
Soft Anticholinergics  
AU Huang, Fenglei; Browne, Clinton E.; Wu, Whei-Mei; Juhasz, Attila; Ji,  
Fubao; Bodor, Nicholas  
CS College of Pharmacy, Center for Drug Discovery, University of Florida,  
Gainesville, FL, 32610, USA  
SO Pharmaceutical Research (2003), 20(10), 1681-1689  
CODEN: PHREEB; ISSN: 0724-8741  
PB Kluwer Academic/Plenum Publishers  
DT Journal  
LA English  
IT 21472-50-4  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(design, pharmacokinetic, and pharmacodynamic evaluation of a new class  
of soft anticholinergics)  
RN 21472-50-4 CAPLUS  
CN Cyclohexanecarboxylic acid, 2-hydroxy-2-phenyl- (8CI, 9CI) (CA INDEX  
NAME)



AB Purpose. To design and evaluate a new class of soft anticholinergics with subtype selectivity. Methods. A new class of soft anticholinergics was designed based on the "inactive metabolite" approach. Four compds. were synthesized. The potency and soft nature of the compds. were evaluated by receptor binding, cardiac, and mydriatic studies. Stability and pharmacokinetic studies were also performed on these newly synthesized soft anticholinergics. Results. Receptor binding studies of the soft anticholinergics on cloned muscarinic receptors indicated pKi values in the range of 7.5 to 8.9. Two compds., 9a and 13a, of the series showed muscarinic subtype receptor selectivity (M3/M2). In mydriatic studies, 13a and 13b showed shorter duration of action in the treated eyes than tropicamide. In the control eyes, significant dilation of pupils was found only in rabbits treated with atropine and tropicamide, indicating that the soft anticholinergics lack systemic effects because of their facile hydrolytic deactivation. Consistent with their soft nature, this

AB Title compds., e.g. (I), were prepared for use in treating **cardiovascular** ischemic disorders in humans or animals. Thus, 2-(2-hydroxyethoxymethyl)pyrido[2,3-d]imidazole (preparation given) was reacted with (1R,2R)-2-(4-methylphenyl)cyclohexanecarboxylic acid (resolution from racemate given) to yield the intermediate material which was reacted with (S)-phenylglycinamide hydrochloride to give I. In in vitro tests of rabbit erythrocyte adenosine uptake, the 2-(morpholin-4-yl)methyl [in place of the 2-(2-hydroxyethoxymethyl) sidechain] compound had IC<sub>50</sub> of 15 nM; the 2-(piperazinyl)benzimidazolyl variant had IC<sub>50</sub> of 25 nM.

L7 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:567333 CAPLUS

DN 125:221843

TI Preparation of benzylimidazole derivatives for the treatment of vascular restenosis

IN Mueller-Gliemann, Matthias; Mueller, Ulrich; Beuck, Martin; Zaiss, Siegfried; Gerdes, Christoph; Domdey-Bette, Anke; Gruetzmann, Rudi; Lohmer, Stefan; Wohlfeil, Stefan; et al.

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	RO 117256	B1	20011228	RO 1996-152	19960126
				DE 1995-19503160A	19950201
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	NO 9600414	A	19960802	NO 1996-414	19960131
				DE 1995-19503160A	19950201
	ZA 9600725	A	19960820	ZA 1996-725	19960131
				DE 1995-19503160A	19950201
	RU 2158261	C2	20001027	RU 1996-101800	19960131
				DE 1995-19503160A	19950201
	CN 1137380	A	19961211	CN 1996-102574	19960201



US 5935983

A

19990810

DE 1995-19503160A 19950201

US 1997-960075 19971024

DE 1995-19503160A 19950201

US 1996-588477 B119960118

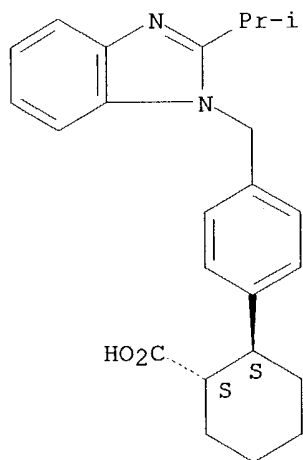
OS MARPAT 125:221843

IT **181130-44-9P**RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)(preparation of benzylimidazole derivs. for the treatment of vascular  
restenosis)

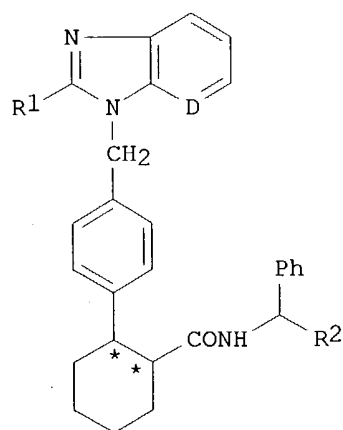
RN 181130-44-9 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-[[2-(1-methylethyl)-1H-benzimidazol-1-  
yl]methyl]phenyl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



GI



I

AB The title compds. [I; D = CH, N; R1 = Ph, cycloalkyl, (un)branched alkyl; R2 = (un)branched alkoxy carbonyl, CH2OH, CONH2], useful for the treatment of vascular restenosis, are prepared Thus, I (D = N, R1 = CHMe2, R2 = CONH2; \* \* cyclohexyl ring bonding is trans) was prepared and demonstrated a IC50 of 0.01 nM for the inhibition of rat aorta smooth muscle proliferation.

L7 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:560541 CAPLUS

DN 125:221572

TI Preparation of substituted 3-benzylindole antiatherosclerotics

IN Mueller-Gliemann, Matthias; Mueller, Ulrich; Beuck, Martin; Zaiss, Sigfried; Gerdes, Christoph; Domdey-Better, Anke; Gruetzmann, Rudi; Lohmer, Stefan; Wohlfeil, Stefan; et al.

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 725061	A1	19960807	EP 1996-100761	19960119
	EP 725061	B1	20000607		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	DE 19513716	A1	19960808	DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	HR 960015	B1	20001231	DE 1995-19513716	19950411
				DE 1995-19503159A	19950201
	AT 193701	E	20000615	HR 1996-960015	19960115
				DE 1995-19503159A	19950201
	ES 2148600	T3	20001016	DE 1995-19513716A	19950411
				AT 1996-100761	19960119
	PT 725061	T	20001130	DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	JP 08253451	A2	19961001	DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	CA 2168320	AA	19960802	JP 1996-30123	19960125
				DE 1995-19503159A	19950201
	FI 9600424	A	19960802	DE 1995-19513716A	19950411
				CA 1996-2168320	19960129
	AU 9642241	A1	19960808	DE 1995-19503159A	19950201
	AU 708784	B2	19990812	DE 1995-19513716A	19950411
				FI 1996-424	19960130
	IL 116956	A1	20000217	DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
				IL 1996-116956	19960130
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411

NO 9600413 A 19960802  
 ZA 9600726 A 19960820  
 RU 2162842 C2 20010210  
 CN 1137520 A 19961211  
 CN 1067987 B 20010704

NO 1996-413 19960131  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 ZA 1996-726 19960131  
 DE 1995-19503159A 19950201  
 RU 1996-101801 19960131  
 DE 1995-19503159A 19950201  
 CN 1996-102575 19960201

GR 3034245 T3 20001229

DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 GR 2000-401932 20000823  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411

OS MARPAT 125:221572

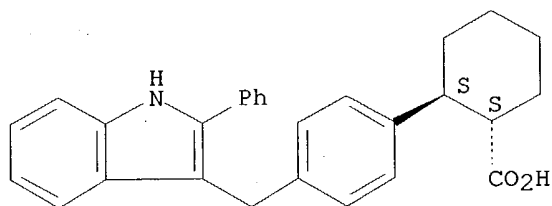
IT **181070-77-9P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of substituted 3-benzylindole antiatherosclerotics)

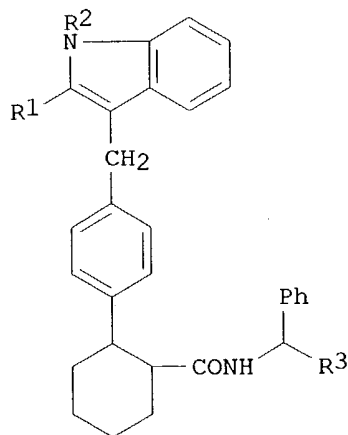
RN 181070-77-9 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]-,  
 trans- (9CI) (CA INDEX NAME)

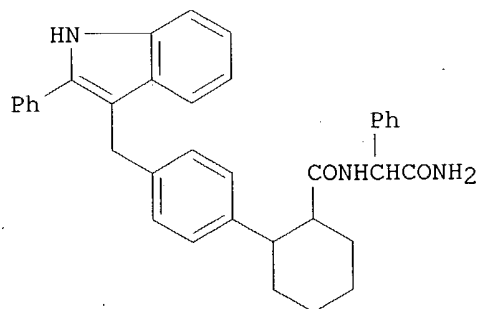
Relative stereochemistry.



GI



I



II

AB The title compds. [I; R1 = Ph, cycloalkyl, (un)branched alkyl; R2 = H, (un)branched alkyl; R3 = CONH2, CH2OH], useful for the treatment of atherosclerosis or restenosis, are prepared. Thus, II, prepared from phenylglycinamide, demonstrated a IC50 of 0.052 nM against the proliferation of pig aorta smooth muscle.

L7 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:523976 CAPLUS

DN 125:168010

TI Preparation of 2,9-disubstituted purin-6-ones as antiinflammatories and **cardiovascular** agents.

IN Niewoehner, Ulrich; Bischoff, Erwin; Schuetz, Helmuth; Perzborn, Elisabeth; Schramm, Matthias

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 722944	A1	19960724	EP 1996-100156	19960108
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			DE 1995-19501482	19950119
	DE 19501482	A1	19960725	DE 1995-19501482	19950119
	US 5861404	A	19990119	US 1996-587321	19960112
				DE 1995-19501482	19950119
	AU 9640979	A1	19960725	AU 1996-40979	19960115
				DE 1995-19501482	19950119
	CA 2167353	AA	19960720	CA 1996-2167353	19960116
				DE 1995-19501482	19950119
	IL 116769	A1	19981206	IL 1996-116769	19960116
				DE 1995-19501482	19950119
	FI 9600225	A	19960720	FI 1996-225	19960117
				DE 1995-19501482	19950119
	NO 9600223	A	19960722	NO 1996-223	19960118
				DE 1995-19501482	19950119
	ZA 9600398	A	19960828	ZA 1996-398	19960118
				DE 1995-19501482	19950119
	JP 08231545	A2	19960910	JP 1996-23473	19960118
				DE 1995-19501482	19950119
	BR 9600147	A	19980106	BR 1996-147	19960118
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	CN 1135485	A	19961113	CN 1996-101917	19960119
				DE 1995-19501482	19950119

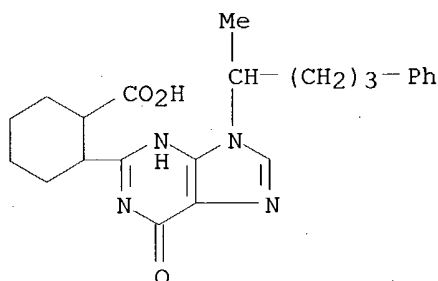
OS MARPAT 125:168010

IT **180343-02-6P**

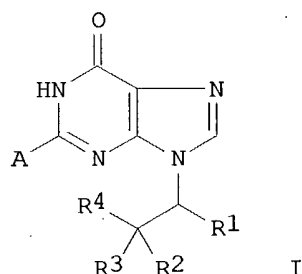
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of 2,9-disubstituted purin-6-ones as antiinflammatories and **cardiovascular** agents)

RN 180343-02-6 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[6,9-dihydro-9-(1-methyl-4-phenylbutyl)-6-oxo-1H-purin-2-yl]- (9CI) (CA INDEX NAME)



GI



AB Title compds. [I; R1 = alkyl, (substituted) phenylalkyl; R2 = H, OH, N3, alkyl; OSO2R5; R5 = alkyl; R3 = H; R2R3 = O; R4 = H, alkyl; A = alkyl, 3,4-methylenedioxy, cycloalkyl, (substituted) Ph], were prepared Thus, I [A = cyclopropyl; R1 = Ph(CH2)3; R2, R3, R4 = H] (schematic preparation given) inhibited phosphodiesterases I, II, and V with IC50 = 4  $\mu$ M, 0.6  $\mu$ M, and 0.3  $\mu$ M, resp.

L7 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:960198 CAPLUS

DN 124:8834

TI Preparation of (oxopyridazinyl)pyrazolopyridines as adenosine antagonists  
IN Akahane, Atsushi; Nishimura, Shintaro; Itani, Hiromichi; Durkin, Kieran P. M.

PA Fujisawa Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 167 pp.

CODEN: PIXXD2

DT Patent

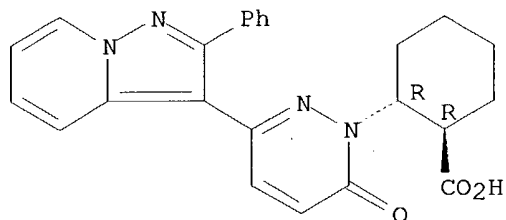
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9518128	A1	19950706	WO 1994-JP2230	19941226
W: AU, CA, CN, FI, HU, JP, KR, NO, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2180253	AA	19950706	GB 1993-26524	A 19931229
			GB 1994-4323	A 19940304
			CA 1994-2180253	19941226
			GB 1993-26524	A 19931229

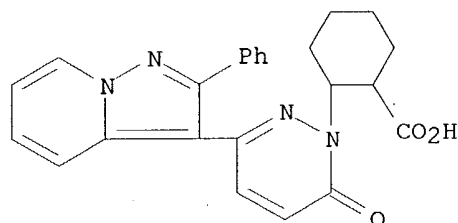
AU 9512817	A1	19950717	GB 1994-4323	A	19940304
AU 694157	B2	19980716	AU 1995-12817		19941226
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
			WO 1994-JP2230	W	19941226
EP 737193	A1	19961016	EP 1995-903969		19941226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
			WO 1994-JP2230	W	19941226
CN 1139928	A	19970108	CN 1994-194724		19941226
CN 1046724	B	19991124			
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
HU 76280	A2	19970728	HU 1996-1789		19941226
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
JP 09507485	T2	19970729	JP 1994-517911		19941226
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
			WO 1994-JP2230	W	19941226
ZA 9410409	A	19950926	ZA 1994-10409		19941229
			GB 1993-26524	A	19931229
IL 112193	A1	20001031	IL 1994-112193		19941229
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
BR 9500905	A	19951024	BR 1995-905		19950306
			GB 1994-4323	A	19940304
US 5773530	A	19980630	US 1996-663119		19960913
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
			WO 1994-JP2230	W	19941226
US 6355640	B1	20020312	US 1998-72696		19980506
			GB 1993-26524	A	19931229
			GB 1994-4323	A	19940304
			WO 1994-JP2230	A1	19941226
			US 1996-663119	A1	19960913
OS	MARPAT 124:8834				
IT	<b>171050-83-2P 171051-51-7P</b>				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of (oxopyridazinyl)pyrazolopyridines as adenosine antagonists)				
RN	171050-83-2 CAPLUS				
CN	Cyclohexanecarboxylic acid, 2-[6-oxo-3-(2-phenylpyrazolo[1,5-a]pyridin-3-yl)-1(6H)-pyridazinyl]-, trans- (9CI) (CA INDEX NAME)				

Relative stereochemistry.

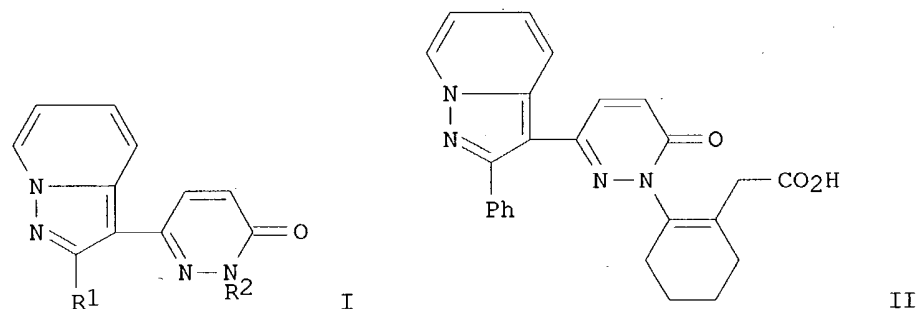


RN 171051-51-7 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[6-oxo-3-(2-phenylpyrazolo[1,5-a]pyridin-3-yl)-1(6H)-pyridazinyl]- (9CI) (CA INDEX NAME)



GI



AB Title compds. [I; R1 = aryl; R2 = (un)substituted cycloalkyl] were prepared. Thus, I (R1 = Ph, R2 = H) was alkylated by 2-chlorocyclohexanone and the product condensed with (EtO)2P(O)CH2CO2Et to give, after saponification, title compound II and the exo-unsatd. product. II gave reduction of serum creatinine from 3.60 (control) to 1.10mg/dL i.v. in rats experiencing cisplatin-induced renal failure.

L7 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1994:245104 CAPLUS

DN 120:245104

TI Preparation of [(imidazolomethyl)phenyl]cyclohexanecarboxylates as angiotensin II antagonists

IN Mueller, Ulrich; Dressel, Juergen; Fey, Peter; Hanco, Rudolf; Huebsch, Walter; Kraemer, Thomas; Mueller-Gliemann, Matthias; Beuck, Martin; Kazda, Stanislav Prof Dr; et al.

PA Bayer A.-G., Germany

SO Ger. Offen., 20 pp.

CODEN: GWXXBX

DT Patent

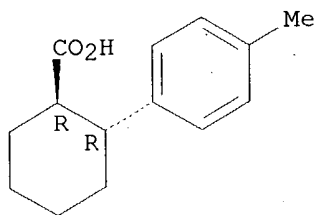
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4221009	A1	19940105	DE 1992-4221009	19920626
	NO 9302133	A	19931227	NO 1993-2133	19930610
	EP 581003	A1	19940202	DE 1992-4221009A	19920626
	EP 581003	B1	20000906	EP 1993-109465	19930614
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 196136	E	20000915	DE 1992-4221009A	19920626
	ES 2151891	T3	20010116	AT 1993-109465	19930614
	CZ 282309	B6	19970611	DE 1992-4221009A	19920626
	US 5508299	A	19960416	ES 1993-109465	19930614
	CA 2099078	AA	19931227	DE 1992-4221009A	19920626
	AU 9341463	A1	19940106	CZ 1993-1173	19930616
	AU 666732	B2	19960222	DE 1992-4221009A	19920626
	IL 106107	A1	19970930	US 1993-80853	19930621
	JP 06073016	A2	19940315	DE 1992-4221009A	19920626
	ZA 9304583	A	19940202	CA 1993-2099078	19930623
	HU 64753	A2	19940228	DE 1992-4221009A	19920626
	RU 2110514	C1	19980510	AU 1993-41463	19930623
	SK 281028	B6	20001107	DE 1992-4221009A	19920626
	CN 1082538	A	19940223	IL 1993-106107	19930623
	CN 1037512	B	19980225	DE 1992-4221009A	19920626
	CN 1182734	A	19980527	JP 1993-177438	19930624
				DE 1992-4221009A	19920626
				ZA 1993-4583	19930625
				DE 1992-4221009A	19920626
				HU 1993-1870	19930625
				DE 1992-4221009A	19920626
				RU 1993-46254	19930625
				DE 1992-4221009A	19920626
				SK 1993-668	19930625
				DE 1992-4221009A	19920626
				CN 1993-107418	19930626
				DE 1992-4221009A	19920626
				CN 1997-109705	19970416
				DE 1992-4221009A	19920626
OS	MARPAT 120:245104				
IT	<b>154063-56-6P</b>				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(preparation and reaction of, in preparation of angiotensin II antagonist)				
RN	154063-56-6 CAPLUS				
CN	Cyclohexanecarboxylic acid, 2-(4-methylphenyl)-, (1R,2R)-rel- (9CI) (CA INDEX NAME)				

Relative stereochemistry.





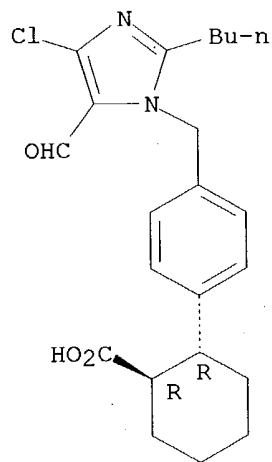
IT 154063-45-3P 154063-46-4P 154063-47-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of, as angiotensin II antagonist)

RN 154063-45-3 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-[(2-butyl-4-chloro-5-formyl-1H-imidazol-1-yl)methyl]phenyl]-, trans- (9CI) (CA INDEX NAME)

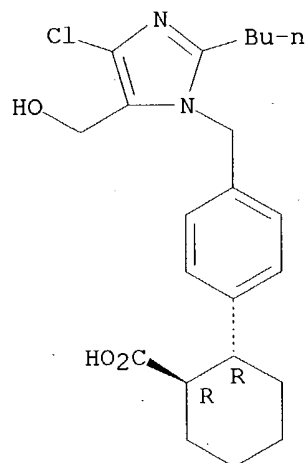
Relative stereochemistry.



RN 154063-46-4 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-[[2-butyl-4-chloro-5-(hydroxymethyl)-1H-imidazol-1-yl]methyl]phenyl]-, trans- (9CI) (CA INDEX NAME)

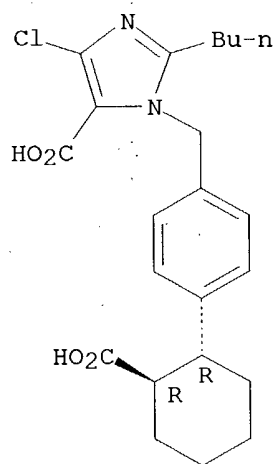
Relative stereochemistry.



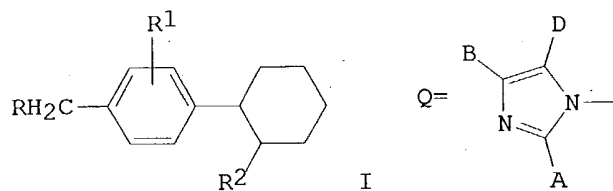
RN 154063-47-5 CAPLUS

CN 1H-Imidazole-5-carboxylic acid, 2-butyl-1-[[4-(2-carboxycyclohexyl)phenyl]methyl]-4-chloro-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



GI



Patel

<4/28/2004>

AB Title compds. [I; R = imidazolo group Q; A = (cyclo)alkyl, alkenyl; B = H, halo, perfluoroalkyl; D = CH<sub>2</sub>OR<sub>3</sub>, COR<sub>4</sub>; R<sub>1</sub> = H, halo, OH, alkyl, etc.; R<sub>2</sub> = COR<sub>5</sub>, CONR<sub>6</sub>R<sub>7</sub>, (triphenylmethyl)tetrazolyl; R<sub>3</sub>, R<sub>6</sub> = H, alkyl; R<sub>4</sub> = H, OH, alkoxy; R<sub>5</sub> = OH, alkoxy; R<sub>7</sub> = SO<sub>2</sub>R<sub>9</sub>, CHPhCH<sub>2</sub>OR<sub>10</sub>; R<sub>9</sub> = (phenyl)alkyl, Ph, etc.; R<sub>10</sub> = H, alkyl, hydroxy-protective group] were prepared. Thus, 4-MeC<sub>6</sub>H<sub>4</sub>CH:CHCO<sub>2</sub>H was cyclocondensed with CH<sub>2</sub>:CHCH:CH<sub>2</sub> and the product converted in 3 steps to trans-I (R<sub>1</sub> = H, R<sub>2</sub> = COR<sub>5</sub>) (II; R = Br, R<sub>5</sub> = OCM<sub>3</sub>) which was condensed with 2-butyl-4-chloro-5-formylimidazole and the product converted in 2 steps to II (R = Q, A = Bu, B = Cl, R<sub>5</sub> = CONHSO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>Me-4) (III; D = CHO). Similarly prepared III (D = CO<sub>2</sub>H) had IC<sub>50</sub> of 240nM against angiotensin II-induced contraction of rabbit aortal rings in vitro.

L7 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:558581 CAPLUS

DN 115:158581

TI Preparation of cycloalkyl-substituted glutaramides as diuretic agents

IN Danilewicz, John Christopher

PA Pfizer Ltd., UK; Pfizer Inc.

SO PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9107378	A1	19910530	WO 1990-EP1887	19901109
	W: CA, FI, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
				GB 1989-26063	19891117
	CA 2067197	AA	19910518	CA 1990-2067197	19901109
				GB 1989-26063	19891117
	EP 500621	A1	19920902	EP 1990-916253	19901109
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
				GB 1989-26063	19891117
				WO 1990-EP1887	19901109
	JP 04505625	T2	19921001	JP 1990-515157	19901109
	JP 06045583	B4	19940615		
				GB 1989-26063	19891117
				WO 1990-EP1887	19901109
	FI 9201949	A	19920430	FI 1992-1949	19920430
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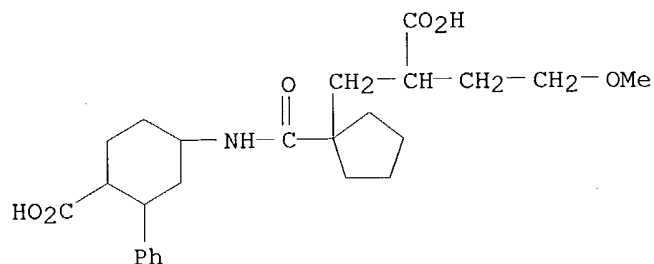
OS MARPAT 115:158581

IT **136145-51-2P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of, as diuretic agent)

RN 136145-51-2 CAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[1-(2-carboxy-4-methoxybutyl)cyclopentyl]carbonyl]amino]-2-phenyl- (9CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB The title compds. [I; A = (mono-un)saturated 4- to 7-membered carbocyclic ring optionally fused to a further (un)saturated 5- or 6-membered carbocyclic ring; m = 1-3; R, R4 = H, C1-6 alkyl, PhCH2, biolabile ester-forming group; R1 = H, C1-4 alkyl; R2 = C1-6 alkyl substituted by C1-4 alkoxy, aryl or aryloxy; R5 = (un)substituted C1-6 alkyl, C2-6 alkenyl or alkynyl, C3-7 cycloalkyl or cycloalkenyl], useful for the treatment of various **cardiovascular** disorders such as hypertension, heart failure, and renal insufficiency (no data), are prepared I are inhibitors of the Zn-dependent, neutral endopeptidase E.C. 3.4.24.11 which is involved in the breakdown of peptide hormones, e.g. atrial natriuretic factor. Thus, 2.4 mmol EtN:C:N(CH2)3NMe2.HCl was added to an ice-cold stirred solution of benzyl 3-(1-carboxycyclopentyl)-2-(2-methoxyethyl)propanoate, Et cis-4-amino-cis-2-(2-phenylethyl)cyclohexane-1-carboxylate, 1-hydroxybenzotriazole, and N-methylmorpholine in CH2Cl2 and the mixture was stirred for 0.5 h, warmed to room temperature, and stirred at room temperature for 20 h to give title compound (II). A total of 46 I were prepared

=> d his

(FILE 'HOME' ENTERED AT 13:03:54 ON 28 APR 2004)

FILE 'REGISTRY' ENTERED AT 13:04:22 ON 28 APR 2004

L1 STRUCTURE UPLOADED

L2 434 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:04:56 ON 28 APR 2004

L3 307 S L2

L4 94 S L3 AND PHENYL

L5 11 S L3 AND THIOPHENE

L6 5 S L3 AND DISEASES

L7 11 S L3 AND CARDIOVASCULAR

=> d l3 fbib hitstr abs total

L3 ANSWER 1 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:217338 CAPLUS

DN 140:278505

TI Asymmetric anhydrides, polyamic acids, polyimides, and polyamideimides therefrom, varnishes and liquid crystal alignment layers therefrom, and displays therewith

IN Tamura, Norihisa

PA Chisso Corp., Japan; Chisso Petrochemical Corporation

SO Jpn. Kokai Tokkyo Koho, 82 pp.

AB Title compds., e.g. I, were prepared for use in treating ischemic brain diseases in humans or animals. Thus I [X = N, X1 = O (II)] was prepared in six steps, starting from 2,3-diaminopyridine, glycolic acid, (1R,2R)-2-(4-bromomethylphenyl)cyclohexane-1-carboxylic acid tert-Bu ester (preparation given), and (S)-phenylglycinamide hydrochloride. Similarly prepared was I [X = C, X1 = N(Me) (III)]. In in vivo (binding of calf cortex adenosine transport protein) compds. II and III had  $K_i = 2$  nM. In in vitro tests of rat brain reperfusion injury, II and III were effective at 0.001 mg/kg, reducing infarct volume 81-91% of control.

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1997:234512 CAPLUS

DN 126:264005

TI Substituted indole derivatives useful as antiproliferatives, for treatment of arteriosclerosis and restenosis.

IN Mueller-Gliemann, Matthias; Mueller, Ulrich; Beuck, Martin; Zaiss, Siegfried; Gerdes, Christoph; Domdey-Bette, Anke; Gruetzmann, Rudi; Lohmer, Stefan; Wohlfeil, Stefan; Yalkinoglu, Ozkan; Elting, James; Denzer, Dirk

PA Bayer A-G, Germany

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5607962	A	19970304	US 1996-591329	19960125
				DE 1995-19503150	19950201
				DE 1995-19513176	19950411

OS MARPAT 126:264005

IT 181070-80-4P 181070-82-6P 181228-88-6P

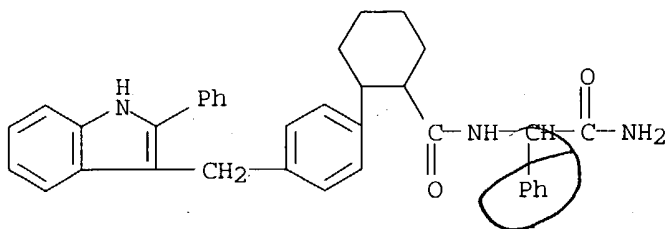
181228-90-0P 188778-95-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted indole derivs. for treatment of restenosis and arteriosclerosis)

RN 181070-80-4 CAPLUS

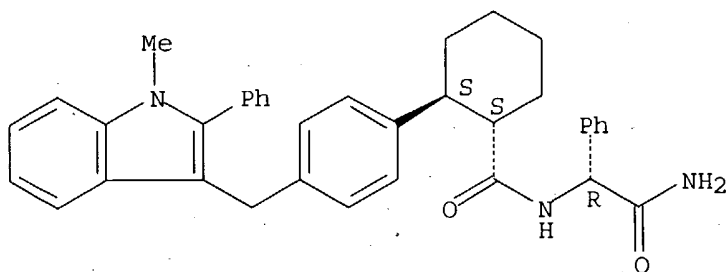
CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 181070-82-6 CAPLUS

CN Benzeneacetamide,  $\alpha$ -[[[2-[4-[(1-methyl-2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1 $\alpha$ (S\*), 2 $\beta$ ]- (9CI) (CA INDEX NAME)

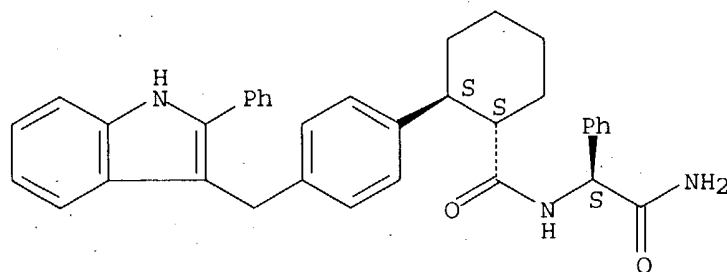
Relative stereochemistry.



RN 181228-88-6 CAPLUS

CN Benzeneacetamide, α-[[[2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1α(R\*),2β]- (9CI) (CA INDEX NAME)

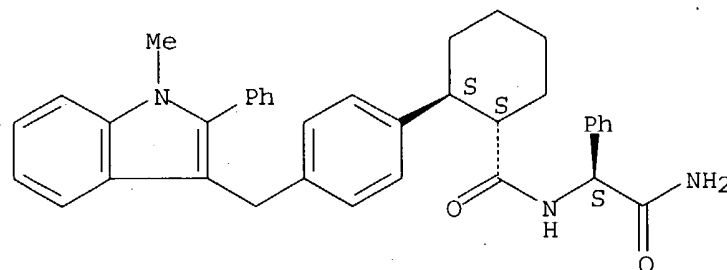
Relative stereochemistry.



RN 181228-90-0 CAPLUS

CN Benzeneacetamide, α-[[[2-[4-[(1-methyl-2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1α(R\*),2β]- (9CI) (CA INDEX NAME)

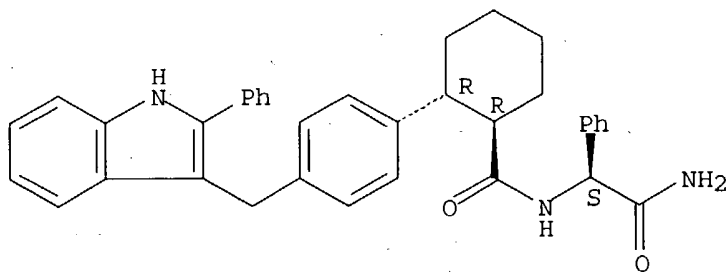
Relative stereochemistry.



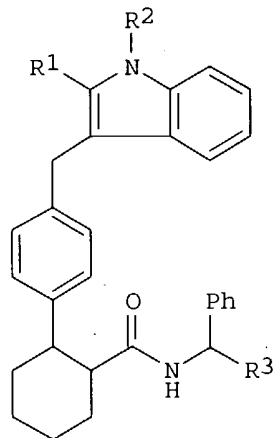
RN 188778-95-2 CAPLUS

CN Benzeneacetamide, α-[[[2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]cyclohexyl]carbonyl]amino]-, [1α(S\*),2β]- (9CI) (CA INDEX NAME)

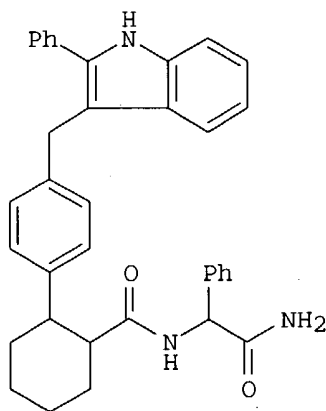
Relative stereochemistry.



GI



I



II

AB Substituted indole derivs. I [R1 = Ph, C3-6 cycloalkyl, C1-5 alkyl; R2 = H, C1-8 alkyl; R3 = CONH2, CH2OH] and salts are prepared by reacting appropriate carboxylic acids, possibly in the presence of auxiliaries, with appropriate amines. I are suitable as active ingredients of medicaments, particularly for the treatment of arteriosclerosis and restenosis. For instance, 2-phenylindole was alkylated in the 3-position by trans-tert-Bu 2-[p-(bromomethyl)phenyl]cyclohexane-1-carboxylate and KOt-Bu in DMF (19%), followed by acid hydrolysis of the tert-Bu ester using CF3CO2H in CH2Cl2 (100%), and amidation of the resulting acid with phenylglycinamide, to give 2 trans diastereomers of title compound II (51.6% major product isomer). In a cell culture assay for antiproliferative effect via inhibition of 3H-thymidine incorporation into porcine aortal DNA, one diastereomer of II had an IC50 of 0.02 nM.

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:567333 CAPLUS

DN 125:221843

TI Preparation of benzylimidazole derivatives for the treatment of vascular restenosis

IN Mueller-Gliemann, Matthias; Mueller, Ulrich; Beuck, Martin; Zaiss,

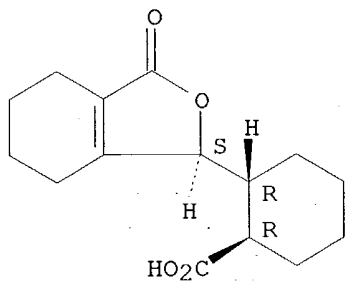
IT 100419-22-5P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and crystal structure of)

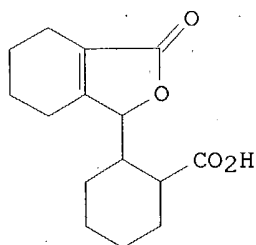
RN 100419-22-5 CAPLUS

CN Cyclohexanecarboxylic acid, 2-(1,3,4,5,6,7-hexahydro-3-oxo-1-isobenzofuranyl)-, [1 $\alpha$ ,2 $\beta$ (S\*)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.



GI



I

AB The decarboxylation of some dicarboxylic anhydrides by catalytic influence of tertiary amines occurs at surprisingly low temperature ( $\geq 80^\circ$ ). The product I formed from two mols. of hexahydrophthalic anhydride with loss of one mol. of carbon dioxide, has been isolated and characterized by spectroscopic investigations and x-ray structure anal.

L3 ANSWER 117 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1985:504607 CAPLUS

DN 103:104607

TI Cyclohexanecarboxylic acids and their derivatives as antidysrhythmic agents

IN Davidson, Thomas A.; Thomas, Telfer L.

PA Pennwalt Corp., USA

SO Eur. Pat. Appl., 29 pp.

CODEN: EPXXDW

DT Patent

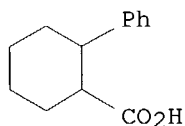
LA English

FAN.CNT 1

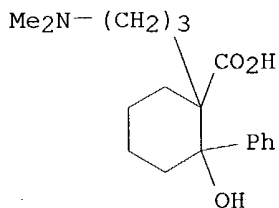
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 134889	A2	19850327	EP 1984-104894	19840502



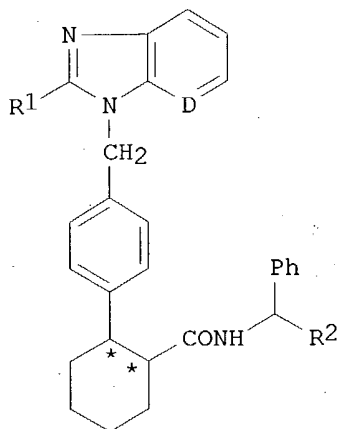
EP 134889 A3 19850731  
 EP 134889 B1 19871111  
 R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE  
 AT 30715 E 19871115 US 1983-524701 19830819  
 AT 1984-104894 19840502  
 US 1983-524701 19830819  
 EP 1984-104894 19840502  
 AU 8427695 A1 19850221 AU 1984-27695 19840504  
 AU 563091 B2 19870625  
 JP 60058951 A2 19850405 US 1983-524701 19830819  
 JP 1984-157720 19840730  
 US 1983-524701 19830819  
 FI 8403241 A 19850220 FI 1984-3241 19840816  
 US 1983-524701 19830819  
 DK 8403957 A 19850220 DK 1984-3957 19840817  
 US 1983-524701 19830819  
 NO 8403307 A 19850220 NO 1984-3307 19840817  
 US 1983-524701 19830819  
 US 4595759 A 19860617 US 1985-701797 19850215  
 US 1983-524701 19830819  
 OS CASREACT 103:104607  
 IT **97906-58-6DP**, derivative  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and antidysrhythmic activity of)  
 RN 97906-58-6 CAPLUS  
 CN Cyclohexanecarboxylic acid, 2-phenyl- (6CI, 9CI) (CA INDEX NAME)



IT **97857-50-6P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 97857-50-6 CAPLUS  
 CN Cyclohexanecarboxylic acid, 1-[3-(dimethylamino)propyl]-2-hydroxy-2-phenyl-  
 (9CI) (CA INDEX NAME)



GI



I

AB The title compds. [I; D = CH, N; R1 = Ph, cycloalkyl, (un)branched alkyl; R2 = (un)branched alkoxy carbonyl, CH2OH, CONH2], useful for the treatment of vascular restenosis, are prepared. Thus, I (D = N, R1 = CHMe2, R2 = CONH2; \* \* cyclohexyl ring bonding is trans) was prepared and demonstrated a IC50 of 0.01 nM for the inhibition of rat aorta smooth muscle proliferation.

L3 ANSWER 59 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:560541 CAPLUS

DN 125:221572

TI Preparation of substituted 3-benzylindole antiatherosclerotics

IN Mueller-Gliemann, Matthias; Mueller, Ulrich; Beuck, Martin; Zaiss, Sigfried; Gerdes, Christoph; Domdey-Better, Anke; Gruetzmann, Rudi; Lohmer, Stefan; Wohlfeil, Stefan; et al.

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 725061	A1	19960807	EP 1996-100761	19960119
	EP 725061	B1	20000607		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	DE 19513716	A1	19960808	DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
				DE 1995-19513716	19950411
				DE 1995-19503159A1	19950201
	HR 960015	B1	20001231	HR 1996-960015	19960115
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	AT 193701	E	20000615	AT 1996-100761	19960119
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	ES 2148600	T3	20001016	ES 1996-100761	19960119
				DE 1995-19503159A	19950201
				DE 1995-19513716A	19950411
	PT 725061	T	20001130	PT 1996-96100761	19960119

JP 08253451 A2 19961001  
 CA 2168320 AA 19960802  
 FI 9600424 A 19960802  
 AU 9642241 A1 19960808  
 AU 708784 B2 19990812  
 IL 116956 A1 20000217  
 NO 9600413 A 19960802  
 ZA 9600726 A 19960820  
 RU 2162842 C2 20010210  
 CN 1137520 A 19961211  
 CN 1067987 B 20010704  
 GR 3034245 T3 20001229

DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 JP 1996-30123 19960125  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 CA 1996-2168320 19960129  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 FI 1996-424 19960130  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 AU 1996-42241 19960130  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 IL 1996-116956 19960130  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 NO 1996-413 19960131  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 ZA 1996-726 19960131  
 DE 1995-19503159A 19950201  
 RU 1996-101801 19960131  
 DE 1995-19503159A 19950201  
 CN 1996-102575 19960201  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411  
 GR 2000-401932 20000823  
 DE 1995-19503159A 19950201  
 DE 1995-19513716A 19950411

OS MARPAT 125:221572

IT **181070-77-9P**

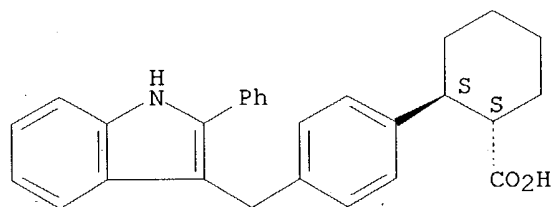
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(preparation of substituted 3-benzylindole antiatherosclerotics)

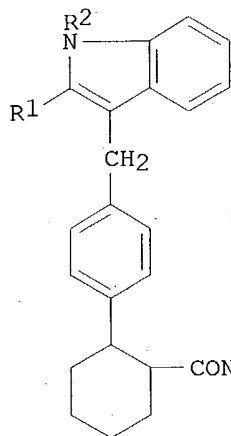
RN 181070-77-9 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-[(2-phenyl-1H-indol-3-yl)methyl]phenyl]-,  
 trans- (9CI) (CA INDEX NAME)

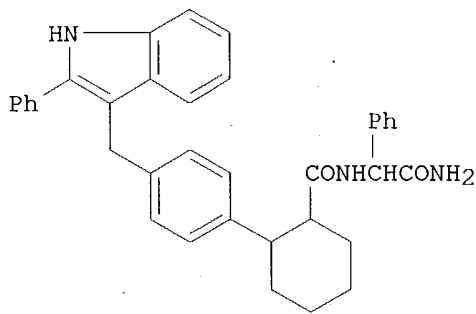
Relative stereochemistry.



GI



I



II

AB The title compds. [I; R1 = Ph, cycloalkyl, (un)branched alkyl; R2 = H, (un)branched alkyl; R3 = CONH2, CH2OH], useful for the treatment of atherosclerosis or restenosis, are prepared. Thus, II, prepared from phenylglycinamide, demonstrated a IC50 of 0.052 nM against the proliferation of pig aorta smooth muscle.

L3 ANSWER 60 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:523976 CAPLUS

DN 125:168010

TI Preparation of 2,9-disubstituted purin-6-ones as antiinflammatories and cardiovascular agents.

IN Niewoehner, Ulrich; Bischoff, Erwin; Schuetz, Helmuth; Perzborn, Elisabeth; Schramm, Matthias

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

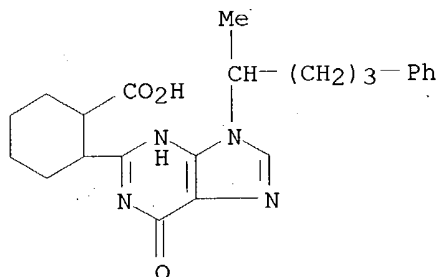
DT Patent

LA German

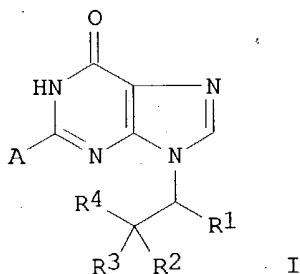
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 722944	A1	19960724	EP 1996-100156	19960108
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	DE 19501482	A1	19960725	DE 1995-19501482	19950119
	US 5861404	A	19990119	US 1996-587321	19960112
				DE 1995-19501482	19950119
	AU 9640979	A1	19960725	AU 1996-40979	19960115
				DE 1995-19501482	19950119
	CA 2167353	AA	19960720	CA 1996-2167353	19960116
				DE 1995-19501482	19950119
	IL 116769	A1	19981206	IL 1996-116769	19960116
				DE 1995-19501482	19950119
	FI 9600225	A	19960720	FI 1996-225	19960117
				DE 1995-19501482	19950119
	NO 9600223	A	19960722	NO 1996-223	19960118
				DE 1995-19501482	19950119
	ZA 9600398	A	19960828	ZA 1996-398	19960118

JP 08231545 A2 19960910 DE 1995-19501482 19950119  
 BR 9600147 A 19980106 JP 1996-23473 19960118  
 CN 1135485 A 19961113 DE 1995-19501482 19950119  
 DE 1995-19501482 19950119  
 DE 1996-147 19960118  
 DE 1995-19501482 19950119  
 CN 1996-101917 19960119  
 DE 1995-19501482 19950119  
 OS MARPAT 125:168010  
 IT **180343-02-6P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 2,9-disubstituted purin-6-ones as antiinflammatories and cardiovascular agents)  
 RN 180343-02-6 CAPLUS  
 CN Cyclohexanecarboxylic acid, 2-[6,9-dihydro-9-(1-methyl-4-phenylbutyl)-6-oxo-1H-purin-2-yl]- (9CI) (CA INDEX NAME)



GI



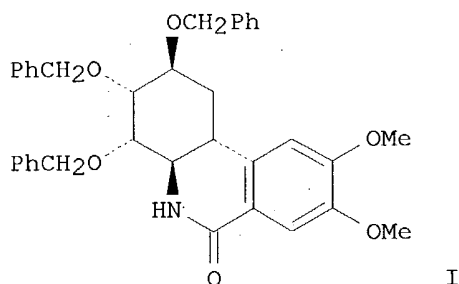
AB Title compds. [I; R1 = alkyl, (substituted) phenylalkyl; R2 = H, OH, N3, alkyl, OSO2R5; R5 = alkyl; R3 = H; R2R3 = O; R4 = H, alkyl; A = alkyl, 3,4-methylenedioxy, cycloalkyl, (substituted) Ph], were prepared Thus, I [A = cyclopropyl; R1 = Ph(CH2)3; R2, R3, R4 = H] (schematic preparation given) inhibited phosphodiesterases I, II, and V with IC50 = 4  $\mu$ M, 0.6  $\mu$ M, and 0.3  $\mu$ M, resp.

L3 ANSWER 61 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1996:298558 CAPLUS  
 DN 125:86495

Patel

&lt;4/28/2004&gt;

GI



AB A stereoselective approach to densely functionalized cyclohexanoids from 7-norbornenone is detailed. Construction of the phenanthridone core I present in pancratistatin was accomplished via this protocol.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 48 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:306975 CAPLUS

DN 129:15967

TI Preparation of arylcycloalkanes as tachykinin receptor antagonists.

IN Caldwell, Charles G.; Chen, Ping; Durette, Philippe L.; Finke, Paul; Hale, Jeffrey; Holson, Edward; Kopka, Ihor; Maccoss, Malcolm; Meurer, Laura; Mills, Sander G.; Robichaud, Albert

PA Merck and Co., Inc., USA

SO U.S., 109 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5750549	A	19980512	US 1996-730277	19961015
				US 1996-730277	19961015

OS MARPAT 129:15967

IT **190269-13-7P 190271-06-8P 190271-24-0P**

**190271-33-1P**

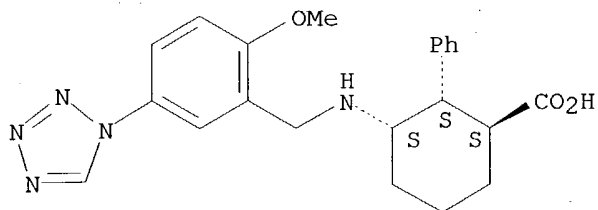
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of arylcycloalkanes as tachykinin receptor antagonists)

RN 190269-13-7 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methyl]amino]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

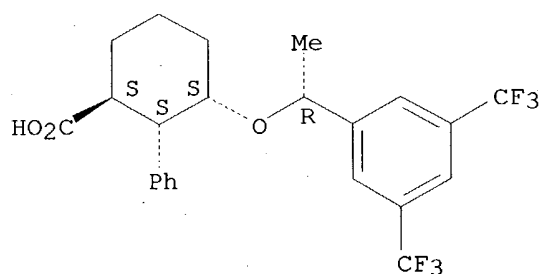
Absolute stereochemistry.



RN 190271-06-8 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

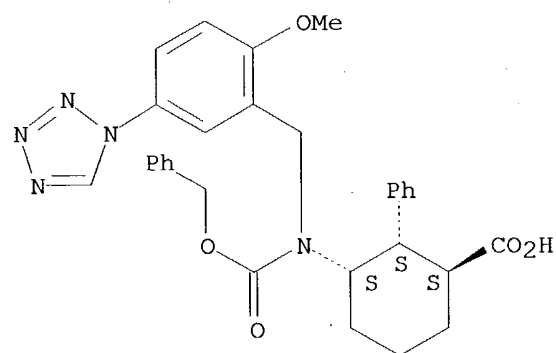
Absolute stereochemistry.



RN 190271-24-0 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[2-methoxy-5-(1H-tetrazol-1-yl)phenyl]methyl][(phenylmethoxy)carbonyl]amino]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

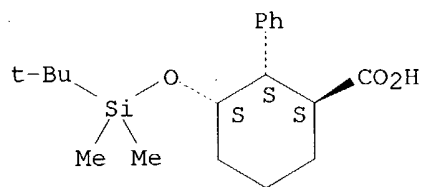
Absolute stereochemistry.



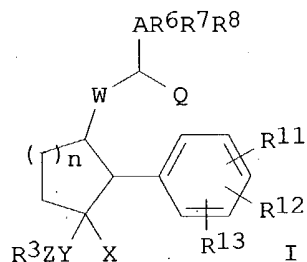
RN 190271-33-1 CAPLUS

CN Cyclohexanecarboxylic acid, 3-[[[1,1-dimethylethyl]dimethylsilyl]oxy]-2-phenyl-, (1S,2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI

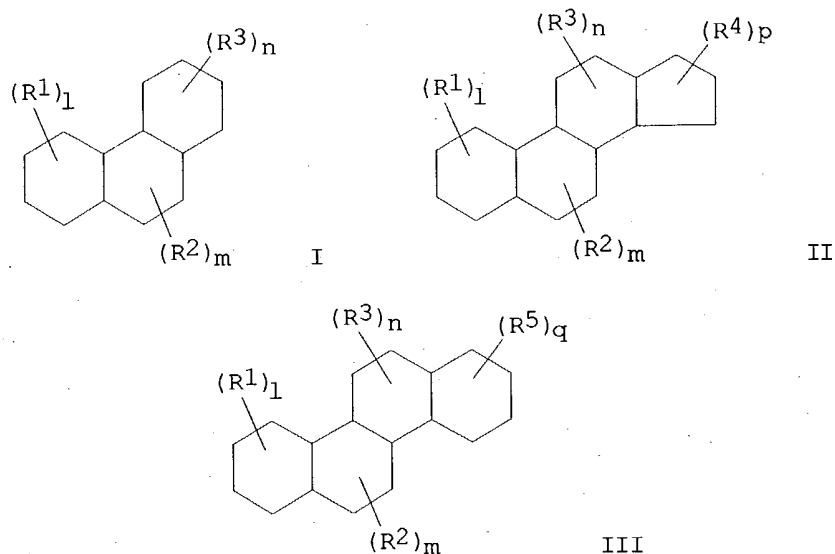


AB Title compds. [I; R3 = H, alkoxy, phenylalkoxy, Ph, cyano, halo, amino, (substituted) alkyl, null; R6-R8 = H, alkoxy, halo, (substituted) alkyl, OH, cyano, CF<sub>3</sub>, NO<sub>2</sub>, heterocyclyl, etc.; R11-R13 = H, (substituted) alkyl, halo, cyano, CF<sub>3</sub>, NO<sub>2</sub>, OH, alkoxy, etc.; A = Ph, benzofuranyl, benzothiophenyl, benzothiazoyl, indolyl, imidazolyl, oxadiazolyl, pyridyl, pyrimidyl, quinolinyl, thiazolyl, thienyl, thiophenyl, dihydrobenzofuranyl; Q = H, alkyl; W = O, NH, alkylimino, NHCO, alkyliminocarbonyl; X = H, alkyl; Y = bond, (substituted) alkyl; Z = NR15, CONR15, SO2NR15, SO2, CO2R15, CH2OR15, null; R15 = H, (substituted) alkyl; n = 1-3; with provisos], were prepared Thus, Me 3(SR)-hydroxy-2(RS)-phenylcyclopentane-1(RS)-carboxylate (preparation given) was treated with 3,5-bis(trifluoromethyl)benzyl bromide and NaH in DMF to give Me 3(SR)-[3,5-bis(trifluoromethyl)phenylmethoxy]-2(RS)-phenylcyclopentane-1(RS)-carboxylate. I showed intrinsic tachykinin receptor antagonist activity in the range 0.05-10  $\mu$ M.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 49 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1998:80846 CAPLUS  
DN 128:180454  
TI Phosphine-directed stereo- & regioselective Ni-catalyzed reactions of Grignard reagents with allylic ethers  
AU Didiuk, Mary T.; Morken, James P.; Hoveyda, Amir H.  
CS Dep. Chem., Merkert Chem. Cent., Boston Coll., Chestnut Hill, MA, 02167, USA  
SO Tetrahedron (1998), 54(7), 1117-1130  
CODEN: TETRAB; ISSN: 0040-4020  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
IT 203316-96-5P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT





AB The title composition contains a compound generating acid upon active ray or radiation irradiation and a resin having  $\geq 1$  monovalent polycyclic alicyclic group of I, II, or III [ $R^1$ -5 = alkyl, cycloalkyl, alkenyl, alkynyl (these groups may be substituted), halo, CN,  $R^6OR^7$ ,  $R^8CO_2R^9$ ,  $R^{10}CONR^{11}R^{12}$ ,  $R^{13}OCOR^{14}$ ;  $R^7$ ,  $R^9$  = H, alkyl, cycloalkyl, alkenyl (these groups may be substituted), group that is decomposed by the action of acid to increase the solubility in alkaline developing solns.;  $R^{11}$ ,  $R^{12}$ ,  $R^{14}$  = H, alkyl,

cycloalkyl, alkenyl (these groups may be substituted),  $R^{11}$  and  $R^{12}$  may link to form a ring;  $R^6$ ,  $R^8$ ,  $R^{10}$ ,  $R^{13}$  = single bond, alkylene, alkenylene, cycloalkylene (these groups may be substituted);  $l$ ,  $m$ ,  $n$ ,  $p$ ,  $q$  = 0-5, when  $l$ ,  $m$ ,  $n$ ,  $p$ ,  $q \geq 2$ , the plural groups in each  $R^1$ -5 may be different, when 2 groups in each  $R^1$ -5 are substituted at the same C atom, they may represent carbonyl or thiocarbonyl group, when 2 groups in each  $R^1$ -5 are substituted at adjacent C atoms, they may link to form double bond between these C atoms, when  $\geq 2$  groups in each  $R^1$ -5 are substituted, they may link to form a ring; I, II, and III may link to the resin at any position in the polycyclic structures] and a group that is decomposed by the action of acid to increase the solubility in alkaline developing solns. The composition

shows high sensitivity to UV ray of  $\leq 250$  nm, especially  $\leq 220$  nm and provides high resolution patterns with good profile and dry etch resistance. The composition gives fine patterns and is useful of manufacture

of

semiconductor devices.

L3 ANSWER 43 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:545694 CAPLUS

DN 129:223253

TI Positive-working photoresist composition

IN Aogo, Toshiaki; Sato, Kenichiro

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 58 pp.

CODEN: JKXXAF

DT Patent

LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10221852	A2	19980821	JP 1997-24011	19970206
				JP 1997-24011	19970206

IT 212580-07-9P

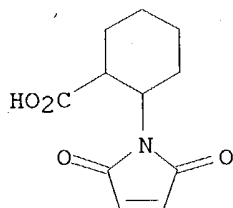
RL: PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(photoresist composition containing polymer having acid-generating group, alicyclic group, and alkali-soluble group)

RN 212580-07-9 CAPLUS

CM 2-Butenedioic acid, methyl 1-(1-methylethoxy)ethyl ester, polymer with 2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)cyclohexanecarboxylic acid, 9,10-dimethoxy-2-anthracenyl 4-ethenylphenyl disulfone and 1-tricyclo[3.3.1.1<sup>3,7</sup>]dec-1-ylethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

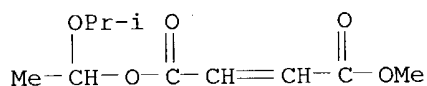
CM 1

CRN 212580-06-8  
CMF C11 H13 N O4



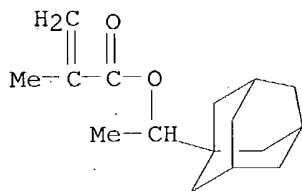
CM 2

CRN 212580-05-7  
CMF C10 H16 O5



CM 3

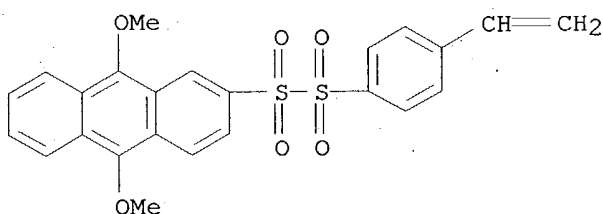
CRN 212580-04-6  
CMF C16 H24 O2



CM 4

CRN 212580-03-5

CMF C24 H20 O6 S2



AB The title composition comprises a resin having  $\geq 1$  repeating unit containing groups that are decomposed upon active ray or irradiation to generate acid,  $\geq 1$  alicyclic group-containing repeating unit, and  $\geq 1$  repeating unit containing groups that are decomposed by the action of acid to increase the solubility in alkaline developing solns. The composition shows high sensitivity toward light of wavelength  $\leq 250$  nm, especially  $\leq 220$  nm, and high dry etch resistance and provides high resolution resist patterns with good profile independent of the elapse of time from exposure to post-bake.

L3 ANSWER 44 OF 307 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:485041 CAPLUS

DN 129:122567

TI Preparation of ethanobenzoisindole derivatives as farnesyl transferase inhibitors

IN Bourzat, Jean-Dominique; Commercon, Alain; Dereu, Norbert; Mailliet, Patrick; Sounigo-Thompson, Fabienne; Martin, Jean-Paul; Capet, Marc; Cheve, Michel

PA Rhone-Poulenc Rorer S.A., Fr.

SO PCT Int. Appl., 260 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9829390	A1	19980709	WO 1997-FR2407	19971223
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GH, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG,				